

140

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R. M. Gilmore
1933

Humboldt and Trinity Cos., Calif.
May 19 - June 16, 1933

Itinerary and Narrative	pp. 675-703	Section 1
Specimen Register	704-733	Section 2
Species Accounts	734-776	Section 3
Spec. Nos. 2620 - 2817		

Walker Basin, Kern Co., Calif.

Itinerary and Narrative	776-888	Section 4
Specimen Register	889-961	Section 5
Species Accounts	962-1004	Section 6
Spec. Nos. 2818 - 3325		

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Section 1
Itinerary and Narrative

Humboldt and Trinity Cos., Calif.
1933

R M Gilmore

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possession of Dr. Tracy J. Storer,
Davis, Yolo Co., Calif. [Division of
Zoology, Dept. of Agric.].

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1933

Charlotte, Humboldt Co., Calif.

May 17, 1933

This night we bunked at the home of Mr. & Mrs. Harry Wilder, 1 mile north east of Charlotte. Very hospitable people; Fed Behle & I a piece of squash pie apiece when we arrived.

~~Dr.~~ William A. Behle & I left MVZ at 8:25 this morning and drove the 240 miles to Wilder's place along the Redwood highway thru intermittent rain squalls. Dr. Srimell took W.P. train from ~~Butt.~~ S.F. to Alton & thence by auto to Wilder's.

Mad R. Ford, 2700 ft., above Rath, Trinity Co., Calif. May 18, 1933.

I have been traveling all day from Charlotte southeastward up the San Suzen River & thence to the Mad River. We left the main Red Bluff road at the Mad River & ascended latter past ~~Rath~~ tiny hamlet of Rath to the Ford which was too deep to cross so we pitched camp on north east side. Roads were wet, muddy, slippery and narrow. Used chains from main

Silmore
1933

road to Ford.

Passed out of Redwood belt rather abruptly some 10 miles east of Charlotte. From then on it was a continual stretch of good transition featuring Douglas Fir, Madroña, Sappy Oak, and Manzanita, and Yellow Pine.

Mad River "valley" is shallow valley just west of South Fork Mt. with which is now covered with snow. "Valley" is 50-150 yds wide with river now filled with water. Black Cottonwoods, Yellow Pine, Douglas Fir, and some Digger Pine; Manzanita & Arctostaphylos. Stands of Douglas Fir come down to borders of valley floor.

Camped in first canyon south of Littlefield Creek.

Last night was cold; with but one blanket & 2 tarps over me. I slept cold despite wool clothes.

Dilmore
1933

Mad R. Ford, 2700 ft., above Ruth, Trinity Co., Calif.
May 19, 1933

Busy day - also cold with showers of rain. Short trap line yielded small catch. Traveled up stream for 3 miles setting traps & hunting. Stopped in at Miss Andersons ranch on way back and had lunch. Funny layout.

May 20, 1933

Big day; lots of mammals, lots of skinning from better catch in traps. But shooting unsuccessful. Took one Red Backed Mouse for my best specimen of the day.

May 21, 1933

Lots of skinning today; poor catch in traps; took whole line in in preparation for trip up to top of South Fork Mt. tomorrow. But shooting unsuccessful.

May 22, 1933

Cold mite; below freezing; flurry of snow flakes about 6:30 A.M. Postponed trip to ridge so went down stream trapping gophers successfully & up Littlefield Canyon. latter is all good transition to top; much

Silmon
1933

Mad R. ford, 2700 ft., above Rath, Trinity Co., Calif.
May 22; 1933 (cont.)

scattered Douglas Fir, yellow pine, Sarry Oak and some Madroña. Several hundred feet above the floor of the Mad R. valley I encountered a flock of about a dozen Blue Faced Jays with several Flickers, Hairy Woodpeckers and Black Throated Warblers about. Jays were noisy after the shooting started & seemed to be pairing up.

Steady drizzle all day; at times like rain. Had a huge fire in front of tent all afternoon and also at night for we bunked in tent. Not cold though.

May 23, 1933

Wet and cold in morning - poor catch in traps - cleared up at noon and remained sporadically shiny all day. at 3:30 we had a visit from the Rath school and 1/2 hour was devoted to showing em around. Bat shoot in evening resulted in one specimen out of 6 seen. Night cold & clear

Mad R. Ford, 2700 ft., above Ruth, Trinity Co., Calif.
May 24, 1933

Salmon
1933

Left camp at 900 AM. for tramp up to Horse ~~Ridge~~ with Bekle. Hard going during the climbs. Set several traps enroute. At junction of trails from Cedar Camp and Summit (Horse Ridge) we encountered white fir & snow patches - also ~~saw~~ had fleeting glimpse of grouse and Pileated Woodpecker, elevation 7800 ft. Yellow pine & Douglas fir still present tho Garry Oak absent. Black Oak still present. From point of vantage one may look East & south to see the large snow covered Mt. Van Horn & thence westward over lower tumbled ridges to slightly snow covered Mule Ridge in NW.

Spring at 5200 ft., skunk cabbage, fresh gopher workings, Yellow Pine Douglas fir, Black Oak. Several ~~hemlock~~ ~~cedar~~ ~~larch~~ ~~aspen~~ ~~and~~ ~~almost~~ ~~make~~ ~~up~~ ~~the~~ ~~entire~~ ~~vegetation~~ ~~above~~ ~~5400~~ ~~ft.~~ ~~Rubus~~, ~~Linco~~s.

Thru 600 ft. of altitude & 1 mile of distance to summit of Horse Ridge.

Mad R. Ford, 2700 ft. above Ruth, Trinity Co., Calif.
May 24, 1933

Salmon
1933

Timber disappears; Chugachin, buck
brush, Manzanita cover most of the
soil areas. Some exposed outcroppings
of highly metamorphosed limestone
every now & then. Snow lay heavily on
the crest of the ridge except in bare spots,
as for instance that where the lookout
tower stood. Tower about 20' tall
with glassed-in room for observation.
Manzanita, Buck brush? and Fir (white?)
grew on summit. To the

To the ~~far~~ northeast ran the length
of South Fork mountain with Brown
Mt. far to the NW. & only
a dozen or fifteen miles ^{away} covered with
snow. Rest of the ridge bare of snow.

Far to the north loomed the Salmon
Trinity Alps, covered with snow and
still farther away ^{and a little} to the right
Mt. Shasta, with snow almost to the
base, veiled into the clouds. To

To the east lay low tumbled
mts, then a gap, which represented
the Sacto. Valley & then two high,
snow covered, distant peaks, one
conical & the other flatter east &
South a broken summit. Latter
might have been Mt. Lassen.

Mad R. Ford, 2700 ft., above Ruth, Trinity Co., Calif.
May 24, 1933.

Silvane
1933

To the south east loomed Yolla Bolly Mt. ? - covered with snow & from there due south was a lower ridge sparsely covered with snow. To the west there was practically no snow covered peaks save perhaps Mule Ridge & Signal Mt.

Two Juncos? seen on summit.
Three snow-foot of ascent were seen Robins, Juncos.

Firs (Red?) appeared at 4800 ft.; here, however, they were scarce, but appeared more commonly at snow line, 5400 ft. & especially on northeast slope of ridge. Here the snow lay in banks 10' or so in depth and covered almost completely the manzanita and snow brush.

The descent, in general direction of Cedar Camp was abrupt. Wood Peewees were seen at edge of timber in oaks. Ground Squirrels were seen at snow line and their burrows were common.

Selmon
1933

Mad R. Ford, 2700 ft., above Ruth, Trinity Co., Calif.
May 25, 1933

Arose late - 6:00 AM - walked up to
Anderson's Ranch to inquire of a horse
to let. On river bottom saw

<u>Purple finches</u>	5-6
<u>Brewer Black bird</u>	6 (3 pairs)
<u>Lark Sparrow</u>	2 (pair)
<u>Brown Towhee</u>	2 (pair)
<u>Killdeer</u>	1
<u>Spotted Sandpipers</u>	4 (2 pair)
Time	1 hour.

Took a jog up ridge to investigate
trap line set yesterday along fallen
timber. Caught only Peromyscus truei.
Heard Susky Grouse along ridge &
took one sitting female. Saw one
Pileated Woodpecker, 2 Songy Wood-
pecker, 1 Western Tanager, 1 Black
headed Grosbeak, several Black throated
Gray Warbler. Time, 2 hours. Also
1 Red Tailed Hawk.

Saw 1 Golden Eagle in E evening.
It was soaring about 100-300 yds high
over the valley.

Mad R. Ford, 2700 ft., above Ruth, Trinity Co., Calif.
May 26, 1933

Silmore
1933

Arose early after Beble's example. — 5:00 AM. Last nite was clear and cold up to 3:00 or 4:00 AM; then ~~it~~ a heavy fog settled in the valley and the damp cold was much more piercing than the cold before.

Took in all my traps. Enroute along Littlefield Creek, 300 yds. from mouth I found nesting hole of Chestnut Sided Chickadee. Hole was on north side of 25' pine stump 3-4' in diameter and was about 18' from ground. Pair ~~was~~ were observed in vicinity on way up creek, and on way down one of the two birds was seen to fly ~~to~~ the hole, disappear within and emerge ~~aga~~ about 5 seconds later.

Had bat hunt this evening in which only Hoary Bats were taken.

Silmon
1933.

Horse Ridge, 5000-5500 ft. S Trinity Co., Calif.
May 27, 1933

Arrived at ^{uppermost} main spring (under large scattered yellow Pines, 5200 ft.) on Summit Trail to Horse Ridge at about 19:00 AM.
Noted relatively fresh gopher workings and one Douglas Ground Squirrel? In setting out traps up thru Ceanothus brush saw two Green tailed Towhees, 6 deer, 3 Robins.
Lunched at creek side in thicket of Black Oak 1/4 mi. east. Noted Blue fronted Jay bathing in creek adjacent to snowbanks.

Continued to trap up slope into Chiguapin brush. Flycatcher juv. seen in and taken.

Made excursion down steep canyon to north west of Summit Trail & telephone line. Large outcroppings of metamorphosed limestone surrounded by heavy growth of Chiguapin seemed to be best habitat for Eutamias amoenus? - Exceedingly heavy growth of Red Fir (? white?) in canyon bottom. Saw Blue Fronted Jay and one quail, probably Mountain. This canyon contains fir and Douglas Spruce mixed at the top with heavy growth of Oaks (Black), Chiguapin, Ceanothus and manzanita at edge of timber.

Horse Ridge, at 5500 ft., W side, SW Ruth, Trinity Co.,
 Calif. May 28, 1933
 Sidmore
 1933

Back up on west facing slope of Horse Ridge again. Planted 35 more traps in timber at head of canyon with Abies. Grouse heard drumming on dry ridge on way up.

The peculiar canyon mentioned above, in which trapping has been done was explored today. It lies north of Littlefield Creek and has origin only several hundred feet from the top of the ridge which is almost at the lookout station. From the summit down 300-500 ft., there is a heavy growth of brush (ceanothus, chinquapin and manzanita). Then there are several ^{small} outcroppings of metamorphosed rock around which trapping was done and *Eutamias* & *Neotoma fuscipes* were taken. There is a scattering of White Fir around. 50-100 yds below the outcroppings of rock the real growth of timber begins & surrounds two large springs, the streams from which soon merge into a common canyon. The canyon becomes deeper, the firs lose out and Douglas Spruce

Gilmore
1933

Horse Ridge, at 5500 ft., SE Ruth, Trinity Co., Calif.
May 28, 1933

and Yellow Pine become the dominating trees & are often of huge size. ^{at an altitude of} ~~Dom about 5000~~ approx. 5000 ft., there is a stand of White Pine in the bottom of the canyon which by now has become somewhat rocky and precipitous, of the 75°. The Fir & Douglas Spruce at the head of the canyon do not represent good Canadian zone territory for Neotoma fuscipes & Eutamias parvulus were taken there. However, Fox Sparrows and Green Tailed Towhees in small numbers seemed to be ~~nearby~~ breeding nearby.

There appears to be no good Canadian zone areas on the West side of Horse Ridge, despite the scattered Canadian brush and trees. Probably on the east side of the ridge, where snow now lies heavily, there is better Canadian zone spots.

From about 4000 down to the valley floor of the Mad River, the canyon ~~the~~ mentioned above seems to be like many of the surrounding ridges, dry & with scattered Yellow Pine, Douglas Spruce and Black Oak.

Silmar
1933

Mad R. Ford, 2700 ft., above Ruth, Trinity Co., Calif.
May 29, 1933

Picked up all my traps get near the summit of Horse Ridge. The catch of Eutamias sonomae and Sciurus humboldtii seems definitely to fix the mammal fauna as Transition. Grouse heard booming on dry ridge about 3500 ft. alt. Pair of Mt. Quail seen at 5500 ft., Blue Fronted Jays noted all the way from valley floor to 5500 ft.

Asst day - as have been the two preceding. Arrived in camp about noon and ~~at~~ remained there all rest of day.

May 30, 1933

Finished up the mammals from trap line of Grinnell and Behle and packed truck for departure. Left Mad River ford about 8:00 P.M. - stopped in at the Independence Fox farm, which had no foxes, Citizens Conservation Camp where we met Mr. Asplund, Forest Ranger & were directed to Grouse Mountain via Eureka, and finally at Mr. Feed-Muller's sheep ranch where he also kept.

Salmon 1933. Minks for pelting & raising. Mr. Feld-
Miller was most interesting. Had dinner
at Whos Hotel & spent night at Wilder's.

May 31, 1933

Left Wilder's at 8:00 AM; drove 21
miles to Eureka, hence 8-10 miles to
Arcata & a few miles ~~to~~ north of Arcata
a road branched off to right. This,
the Weaverville Road, we took & drove
50 miles to Willow Creek. En route
we crossed two ridges; first &
most westerly separated from South Fork
ridge by Redwood Creek. South Fork
the ridge is here called Anne Mountain
and a road leads S.W. from the
pass over which the main highway goes.
After provisioning at Willow Creek, on
Drinking River, which is very muddy from
hydraulic mines near Weaverville, and
interviewing Ranger Asst. Frakes at
Sagehen R.S. we drove up the ridge
road. ~~For~~ It was rough & rocky
& just short of summit of Anne Mt.
we were stopped by snow. Party of
Max Binsity & Spaulding, paleo. botanists,
were also held up by snow. Finally
Camped in small flat without water.

Silmon
1933

Horse Mt, 4700-5200 ft., Humboldt Co., Calif.
June 1, 1933

Reconnoitered Today. Crest of Horse Mt. covered with snow; timber light and made up of Pinus ponderosa, monticola, leucodendrus, decurrens, Pseudotsuga and shrubs. an occasional Castanopsis chrysophylla.

East side of ridge sparsely timbered on north end due to lumbering activities of mining company; farther south the timber becomes heavy and all along the ridge evidently extends to bottom.

West side of Horse Mt. timbered on upper half on northern end; bare of timber except scattering oaks on south end. Mountain ends in low gap, 4-5 miles from north end where Cold Springs is located. Pinus jeffreyi noted as rare along crest of ridge and on east NE slope. Pinus monticola noted in a few spots on S.W. slope.

In many places on the SW slope there are "pure stands" of Hackberry. Oak which form a ~~fine~~ heavy matting of brush.

Horse Mt., 4700-5200 ft., Humboldt Co., Calif.
June 2, 1933

Selmon
1933

Cold day. Skinned all morning and in afternoon set 4 traps in rocks near summit of road on mountain. Despite good conditions for carnivores, there is total absence of any "sign". This is probably due to the poisoning activities of the U.S. Biol. Surv. during the last 10 years. They have posted a few poison notices here - see notebook of W. H. Beebe.

Foggy evening - fog lay close to the ground and visibility was good for only about 50 yds.

June 3, 1933

Same sort of day. Clear in afternoon. Scouted west summit of ridge in direction of Cold Springs. Re-located the "lost mine" about 2 miles SW of the camp, and located trail to & from main road. Some snow still along the trail even though it averages 100-200 ft below summit. Clear night ahead of us; probably cold too.

Gilmore
1933

Horse Mt., 4700-5200 ft., Humboldt Co., Calif.
June 4, 1933

Fine day, tho poor catch on trap line. It's remarkable what poor catches the trap line yield! Skinned all morning + most of the afternoon. In afternoon picked up some traps from the rocks and set about 15-20 more including 2 steel traps and 8-9 rat traps at head of the adjacent creek. This association is at the junction of the stream bottom stand of Doug. spruce and rocks and brush. The brush is composed mainly of huckleberry oak with some manzanita and snow brush thrown in. Clear night, tho no bats in evidence. In fact we have not seen any bats at all while in this camp. Cold wind coming up at 800 P.M.

June 5, 1933

Took in most of old trap line in creek bed. Had pretty good catch in new traps. At 7:30 loaded up with traps and started for Cold Springs to trap gophers, etc. Took trail along west edge of ridge. For first mile it traverses a rocky brush with sparsely situated trees of yellow pine + Doug. spruce. Second mile is thru light to heavy timber. Towards end of second mile the "lost

Stone Mt., 4700-5200 ft., Humboldt Co., Calif.
June 5, 1933 (cont.)

Salmon
1933

"mine" is encountered in head of canyon. Pack rat signs numerous in attic of one house & in one of the mine adits. Country on west side now opens up into bare hills with scattered groups of Doug. Spruces or Oaks. There is little brush. It is on the crest of these bare hills that the gopher sign is numerous.

Before reaching the bare hills, one descends a slight swale - goes thru gate (if on road) or fence & climbs slightly to extensive semi-bare knoll which is heavily wooded on the east side. Then another swale, in which on the east side is a fine deer hunter's camp at the head of a canyon that descends east side. The timber in this "east side" area is a heavy growth of large Doug. Spruce and Incense Cedar. ^{Most} ~~all~~ appear to be old trees & many are gigantic.

Then another knoll, higher and bare than the first & then a dip into a swale where presumably Cold Springs is located.

Browse, ~~Canada~~ seen in deer camp swale. Attitude was one of decrying intruder away from nest! Canada Nuthatch & Wormeaters heard in heavy woods.

Edmund
1933

Horse Mt., 4700-5200 ft., Humboldt Co., Calif.
June 6, 1933

Warm nite - everyone slept land. Ran my line near camp - one Bushy Tail Wood Rat. This poor ~~catch~~ ^{and} irregular catch is perhaps due to the scarcity of food this exceedingly late spring. Consequently many individuals of all species died over the winter and those which survived are now vagrants to a lesser or greater degree. Trapping proved to be better in deep woods on east side of crest. Saw three Thomomys Doves on summit over open ground. Also 1 pair Pine Siskins, 1 juv. Green Tailed Towhee, ditto Bluefronted Jay, 1 Red bellied Sapsucker, several pairs Robins.

Walked back to camp (north west) via road which runs along crest of ridge (Horse Mt.) thru scattered timber of Song. Spruce, White Fir, Douglas Cedar, Jeffrey Pine & White Pine (monticola) & perhaps an occasional Red Fir. Though the snow has been melting rapidly the last few days there is enough left in the form of drifts to last another couple of weeks.

Skinned all aft. Trap line in the evening yielded good catch of birds & mammals. Strange how spotty the catch is along the same line. Sky coming in at nite.

Bilmore
1933

Coyote Peak, at 3000 ft., Humboldt Co., Calif.
June 7, 1933

Brought in all traps this morning and prepared the desirable specimens. Last evening a band with three men, appearance of Indians, drove up on horseback and took the left hand peak road. At dusk three rifle shots were heard; evidently shots which were directed at deer. The party evidently returned.

late in the night & coasted silently by camp. They had refused to stop on the way up at lower trail. Finished packing at 11:30 - just in time to eat lunch - tho we didn't eat. It was

4 miles ± to the highway and about 15-17 miles from there to the Sayal Ranger Station. Here we saw Mr. H. Stalling & Mr. Trakes, Ranger and Asst. Ranger. The Trinity River at this point & from fork up the North Fork is as muddy as the Colorado from hydraulicing. Saw Sparrow Hawk on telephone line over river. Back to Willow Creek for mail & cats.

Road from Willow Creek to Roopa is good most of the way - 12 miles. Road follows the west bank of the Trinity River which is situated in a deep

Coyote Peak, at 3000 ft. Humboldt Co., Calif.
June 7, 1933

Silimere
1933

narrow gorge. Most of the way the road is 300-500 ft. above the river. Forest is almost pure transition with Doug. Spruce, Madrone, Tan Bark Oak, Alder. The cedars appear to be lacking to a great degree. Sugar Bowl Ranch & its locality is the only break in the scenery. It is situated ~~in a bend~~ outside a huge bend in the river & is visible only as about 50 acres of "river bottom" land.

Hoopa Valley - center of Hoopa Indian Reservation - is about 5-6 miles long & a mile or two wide. In the south eastern end is a grove of Digger Pine & some other trees are scattered about. Road out of the valley is thru the Trinity River Gorge & is under construction - consequently is rough & barely passable.

Watchpec is 18 miles \pm from Hoopa & is situated at junction of the Trinity & Klamath Rivers. The muddy Trinity enters a slightly less muddy Klamath & the latter continues to the sea. Indians at Watchpec say that salmon run up both rivers

Coyote Peak, at 3000 ft., Humboldt Co., Calif.
June 7, 1933

Delmore
1933

irregardless of mud. One crosses a suspension, one way bridge over the Klamath just before pulling into Weitchpec, which is a one store one barn layout. From at Weitchpec the main Yreka Road passes east & west.

Traveling west along the north, heavily wooded bank of the Klamath 8-10 miles to Martin's Ferry, the traveler enjoys beautiful river & mountain scenery. At Martin's Ferry is a one-way suspension bridge to the south side of the Klamath & then a long climb, 6 miles, up the south ridge of the river. Thence along rather open Chugachapi & Doug. Spruce country along the crest of the ridge.

After several miles of this type of country one comes to open "prairie" country which includes a section of "south fork" Mt.

The Hooker Ranch Road to Hoopa Mt. has been long unused - so we found out from the Lyons, large sheep raising concern. A fog settled & water soon dripped everywhere. Finally camped on side of canyon 10 yds below ^{Hooker} road about 100 yds from main road.

Salmon
1933

Coyote Mt., at 3000 ft., Humboldt Co., Calif.
June 8, 1933

Woke up to a damp dripping ~~wood~~ day. Everything was wet; had to walk a couple of hundred yds to water down the steep canyon on whose west side we camped. After breakfast we scouted the Hooker Ranch (~~the~~ now Stover) road until we came to end of Lyon property. Road followed crest of ridge toward Hupat Mt. but due to dense fog we could not see the country about.

Returned & camped at site of last night's camp ground. Poor place for permanent camp but there was no enthusiasm to get a better one. Spent most all day leveling ground, rigging shelter, & cutting wood. Rain & drizzle all the time.

Set about 30 traps in late afternoon in the wet dripping woods & misty drizzly fields.

June 9, 1933

Again woke to a damp drizzle and the scattered large drops from the high Song Sparrows above. Ran trap line, garnered in poor catch & spent all morning in camp with

698

Coyote Pk., at 3000 ft., Humboldt Co., Calif.
June 9, 1933 (cont.).

Dilmore
1933

large wood

a fire outside the tent & the gas stove
lighted within to keep the tent dry.

Hunted & set traps all afternoon.
The steady drizzle from the driving
west fog kept up and made
outside work miserable. On the

flat bare hill tops of the ridge
crest leading toward Hoopa Mt. I
saw 3 prs. Savannah Sparrow?

1 pr. Robins?, and 1 pr. of
Mountain Quail. Several juncos seen

on fringe edge of forest. There are
scattered clumps of Garry Oak on
the edge of the main forest
which is composed of Doug. Spruce,
Tan bark Oak, Hazel & Maple.

The Doug. Spruce are old hoary
trees of huge size & there are
quite considerable recent down
trees. One such "fallen giant" had
very much on the upper side broken
off about 4' from the trunk &
some showed charred marks. The
fall had been recent for the
color of the wood was fresh. Could
this be lightning?

Still drizzling at 7:00 P.M. but
with less intensity.

also one
Hummer!

Coyote Peak, at 3000 ft., Humboldt Co., Calif.
June 10, 1933

Selmon
1933

Drizzly night; fog & mist abated somewhat in morning and the sun got thru a couple of times. Good catch in trap line last night but all mammals were taken in new line set in drier timber.

Skinned the mammal catch of Summell, Bekke & Selmon. This took all morning & most of the afternoon. Set a few more traps in late afternoon.

By 4:00 P.M. the skies had cleared and fine unadulterated sunshine was all around. It was the first we had seen in nearly 72 hours and the country & scenery literally opened up before our eyes where all had been invisible before.

Our camp is situated at edge of the timber on crest of main south fork ridge. North, east & south the timber stretches in ~~into~~ almost unbroken ~~area~~ forests. To the west is a down hill slope to Redwood Creek & most of the terrain is bare, grassy or with scattered clumps of Garry Oak.

Coyote Peak, at 3000 ft., Humboldt Co., Calif.

June 11, 1933

Silmon
1933

Awoke to a beautiful clear day. Last night a food roadster drove by camp, turned & drove back again. The man today said they were probably people out jack lighting deer.

Ran trap line - poor catch. The several Eutamias caught. There are much more active since the rain, as are also the squirrels.

For the second time I was able to see all the ~~site~~ available country ever visible from any one locality. To the west, the range separates us from the sea; east slopes seem to be more heavily wooded than west slopes. Also of a different type of timber. More Doug. Spruce & Gambel Oak on east & north slopes - more Garry Oak & bare ground on west & south slopes. To the east one sees a jumbled mass of heavily forested hills, with a reddish gash that represents the gorge of the Klamath River, and snowy peaks about 50 miles away which are the Salmon-Trinity Alps.

Skinned all morning & part of the afternoon. Dug out parts of 2 Townsend

Selmon
1933

Coyote Peak - June 11 - (cont.)

Mole burrows - one where I caught a female this morning. The ground has dried remarkably in the upper two feet - below which seems to be a hard pan with seepage water.

At 5:30 Sninnell & I drove 4 miles NE; back towards Martin's Ferry, at this spot, on top of a ridge, connected with South Fork ridge, in an assoc. of chinguaquin, manzanita, azalea, & small dog spruce. I set 35 traps. J.G. hunted. Clear night following a clear day.

June 12, 1933

Visited my traps first thing in the morning & found nothing but Peromyscus. Returned to camp about 9:30 AM. & skinned Behler's & Sninnell's catch until 4:30 while they were scouting around Schoolhouse Peak. Clear day. Reset traps in chinguaquin in evening & watered up per usual at Tautz. We have camped so far from water that it is impracticable to haul all our water by land, so I get part in the car. Clear night ahead.

Gilmore
1933

Coyote Peak - cont.
June 12, 1933

Pulled in all my traps in chugquapin - caught 3 Thomomys monticola and killed a spotted Towhee, which mixture seems somewhat incompatible. Skinned all morning while J.S. scouted. He returned with the creek & seepage areas adjacent to my first trap line marked out for me to trap intensively for the next two nights. From 3:30 - 7:00 P.M. I set 90 traps in these allocated spots. Fine, warm day. J.S. caught the first Glaucomys of the camp that mite & this evening Bekke brought in the crushed carcass of a Peromyscus which he had found on the high-way.

June 14, 1933

Ran my trap line where so many Zapus and Water Shrews were supposed to be and caught only a hand full of Peromyscus. The sets along the small tumbling cascade-like creek were the worst. Went hunting over by Stover's (Hoover's) property along the ridge many groves of Song Oak and many open fields with abundance of grass. Young Lyon paid the camp a visit about

Coyle Peak (cont.) - June 19. (cont.)

Gilmore
1933

5 P.M. and inspected the specimens. He is a graduate of the Calif. Agric. School at Davis with class of 1922. We are camped on Lyon property - his old man is an old timer - evidently has raised sheep successfully for many years.

Ran my trap line of 92 traps & had not one single catch. Warm day with prospects of foggy mite. Wispy light bank of clouds coming in from the west. Expect to leave camp tomorrow morning.

June 15, 1933

Trap line had much better catch today. Saw a pair of Chestnut backed Chickadees in for Doug. Spruces and Maples at edge of timber. I

Finished up all to work by 9:30, & immediately packed up and drove towards Prict on the coast. Bald hills stretched for 6-8 miles at N.W. ward and finally gave way to dense stands of Redwood & Doug. Spruce. This forest continued to Inake which was near base of Bald Hills ridge & junction of Redwood Creek & Inake Creek. Inake is large at

Salmon
1933

38 miles S. Eureka, Humboldt Co., Calif.

June 15, 1933 (cont.)

month. Road from Truck South follows the rocky & lagoon studded coast line to Eureka. Bishop Pines were seen in a small grove about half way between.

In Eureka we stopped at Mr. Davis' house to examine his rare shore birds from Humboldt Bay & also picked up a ♀ Mt. Lyn skull from a game warden & lyn hunter, Mr. Barr. (see notes of J. Grinnell).

J. Grinnell left at 8:10 on NW Pacific after which Belle & I drove south, & camped in redwoods some 38 miles south of Eureka.

June 16, 1933

Up at dawn & drove steadily thru to Berkeley where we arrived at 3:30 P.M. En route we noted sparrow hawks & chipmunks as numerous. This was mainly in Mendocino & Sonoma Counties.

Section 2
Specimen Register

Humboldt and Trinity Cos., Calif.
1933

R M Gilmore

Bilmore
1933

Mad R. Ford, 2700 ft., above Ruth, Trinity Co.,
Calif. May 19, 1933.

17 mouse traps, 2 rat traps, 3 Schuylers
set up small creek well lined with
Douglas Fir and near Mad River caught

1 ♀ Neotoma fuscipes

1 ♂ + 1 ♀ Peromyscus maniculatus gambelli

✓ 2620 California Jay ♂ T.E.

✓ 2621 Brown Towhee ♀ OSE

✓ 2622 Peromyscus truei ♀ 206-105-23-21 (crown)

✓ 2623 " maniculatus gambelli ♂ 174-80-20-14 (crown)

✓ 2624 Thomomys bottae leucodon ♀ 184-53-25-2 (crown)

✓ 2625 " " " ♂ 196-57-28-3 (crown)

✓ 2626 Neotoma fuscipes ♀ 385-186-41-28 (crown) (2 emb. x 17)

✓ 2627 Eutamias sonomae ♀ 245-117-36-16 (crown).

May 20, 1933

Afternoon catch of May 19, 1933

1 ♀ Citellus douglasii

3 ♀ + 1 ♂ Thomomys bottae leucodon

Night catch -

60 mouse traps, 8 rat traps, 7 Schuylers
set along side stream in Douglas fir assoc.
flat canyon bottom land and gravelly
scamthus hillside caught

4 ad. ♂ + 3 im. ♀ Peromyscus maniculatus

Mad R. Ford, 2700 ft., above Ruth, Trinity Co.,
Calif. May 20, 1933 706

Silvane
1931

1 ♂ ad. + 1 ♀ ad. Peromyscus boylei ?
2 ad. ♂ + 1 ad + 2 sub. ad. Peromyscus truei
1 ♀ Clethrionomys
1 ♀ Neotoma fuscipes

✓ 2628	<u>Thomomys bottae kucodon</u>	♂	(small bulb in pouch) 104 206-60-29-3 (crown) 92g.
✓ 2629	" "	♀	188-55-26-3 (crown) 78g.
✓ 2630	" "	♀	178-50-25-3 (crown) 71g.
✓ 2631	" "	♀	175-47-25-3 (crown) 67g.
✓ 2632	<u>Citellus douglasi</u>	♀	450-145-55-20; 577g.
✓ 2633	<u>Peromyscus boylei</u> ?	♂	202-105-23-17; 75g.
✓ 2634	" ?	♀	176-83-23-17; 27.2g.
✓ 2635	<u>Clethrionomys</u>	♀	128-35-19-9 19g.
✓ 2636	<u>Neotoma fuscipes</u>	♀	375-180-37-26, 200 ± grams caught on steep gravelly hillside, ceanothus.

Afternoon catch resulted in capture of
2 ♂ ad. + 2 ad ♀ Citellus douglasi

✓ 2637	<u>Peromyscus truei</u>	♀	205-109-23-21; 24g.
✓ 2638	<u>Neotoma fuscipes</u>	♀	408-203-42-26; 257.5g. 4 embs. x 7
✓ 2639	" "	♀	394-190-41-26; 190g. 2 embs x 15
✓ 2640	<u>Eutamias sonomae</u>	♂	250-110-36-16; 66.9g.
✓ 2641	" "	♂	247-105-36-16; 73.8g. (FE x 20)
✓ 2642	" "	♀	240-105-36-16; 70.9g.

Captured by J. S. Grinnell

Mad R. ford, 2700 fr., above Rath, Trinity Co., Calif. ⁷⁰⁷

May 21, 1933

Bilmore
1933

58 mouse traps, 9 rat traps, 2 gopher traps
and 8 steel traps caught

1 im. ♀ Peromyscus maniculatus gambeli

4 ad ♂ + 1 ad. ♀ Peromyscus truei

1 ad. ♂ + 1 ad. ♀ Neotoma fuscipes

1 ♂ Sorex vagrans

All traps set in valley bottom from timber to dry hill sides ^{T.E.}

✓ 2643 Sorex vagrans ♂ 108-44-12-4; 5.6 gms. Caught
under roots of Douglas fir on rocky side of creek.
Timbered area.

✓ 2644 Dipodomys californicus ♂ (T.E. x 25) 320-195-47-19
Captured on sandy portion of valley floor by
William H. Bekle. 81.5 grams.

✓ 2645 Dipodomys californicus ♂ 307-184-46-14; 79.2 gm.
same as above.

✓ 2646 Dipodomys californicus ♂ 314-185-45-16; 84.5 gm.
same as above

✓ 2647 Scapanus latimanus ♂ 184-38-23-0; 78.2 gm.
Captured on second river bottom, sand, gravel
and manzanitas by W.H. Bekle.

✓ 2648 Peromyscus truei ♂ (T.E. x 20) 204-104-24-22; 78.5 g.
taken in tiny water course on hill side near river
and at edge of stand of timber.

✓ 2649 Peromyscus truei ♂ (T.E.) 212-107-24-21
same as above.

✓ 2650 Peromyscus truei ♂ (T.E.) 210-103-24-22.5; 326 gm.
~~2651~~ taken by Bekle, brush & timber edge.

Mad R. Ford, 2700 ft., above Ruth, Trinity Co., Calif.
May 21, 1933

Pilgrimage
1933

(continued)

- ✓ 7651 Peromyscus truei ♂ (T.E.) 204-103-25-22, 28.0 gm.
same as above
- ✓ 7652 Peromyscus truei ♂ (T.E.) 217-112-23.5-23; 31.5 g.
same as above.
- ✓ 7653 Peromyscus truei ♂ T.E. 200-97-23-22; 26.4 gm.
same as above
- ✓ 7654 Neotoma fuscipes ♂ T.E. 394-180-40-28; 263.4 g.
same as above
- ✓ 7655. Neotoma fuscipes ♀ 374-178-37-27; 230 gm.
same as above

May 22, 1933

75

Six gopher traps caught
2 ad. ♂

Drew in all but these traps last nite in
expectation of going up Mountain today.

- ✓ 7656 Neotoma fuscipes ♂ T.E. 375-178-39-24; 208.3 gm.
✓ brush & oak assoc. Third river bench
taken by J. Drinnell.
- ✓ 7657 Sipidomys californicus ♀ 3emb x 35, 94 gm.
321-193-98-15 Sandy river bottom area
taken by J. Drinnell.
- ✓ 7658 Sipidomys californicus ♂ T.E. 321-195-46-15
87 gm. same as above.

Wilmore
1933

Mad River ford, 2700 ft., above Ruth, Trinity Co., Calif.
May 22, 1933 (cont.)

- ✓ 7659 Thomomys bottae leucodon ♂ 190-57-26-4; 111.3g.
Sandy area in valley bottom.
- ✓ 7660 Thomomys bottae leucodon ♂ 184-52-24-3.5; 86g.
Same as above
- ✓ 7661 ~~Thomomys bottae leucodon~~ discarded -
an immature; badly chewed by another gopher.

May 23, 1933

30 traps (20 mouse) set in canyon
bottom of Littlefield Creek caught

1 ad. ♂ Peromyscus truei

1 ad. ♂ " boylii ??

1 ad. ♂ + 1 ad. ♀ Peromyscus maniculatus gambeli

8 gopher traps & one small Schuyler
set in sandy areas adjacent road in
canyon bottom of Mad River Canyon caught
3 ad. ♀ Thomomys bottae leucodon

- ✓ 7662 Clethrionomys ♀ im. 124-35-18-9; 15.7g.
Taken by W. H. Belle on river bench near
or at edge of timber.

- ✓ 7663 Thomomys bottae leucodon ♀ 188-55-25-4; 76g.
sandy area on valley floor; uterus swollen,
evidently she ♀ had just borne young.

Silverson
1933
Mad R. Ford, 2700 ft., above Ruth, Trinity Co., Calif.
May 23, 1933 (cont.)

- ✓ 2664 Thomomys bottae leucodon ♀ 176-48-25-4
75.8 gm. as above.
- ✓ 2665 Thomomys bottae leucodon ♀ 2 embs x 20
181-53-75-4; 76.2 gm. as above.
- ✓ 2666 Dipodomys californicus ♂ T.E. 330-702-
48-16 x 87.6 g. Taken by W.A. Beebe
on sandy river bottom flat with
sparse growth of Yucca gigantea.
- ✓ 2667 Dipodomys californicus ♂ T.E. 308-180-
44-16 x 85.6 g. same as above.
- ✓ 2668. Peromyscus boylii? ♂ 705-112-22-8.5
27.5 gm. Mouth of Littlefield Creek canyon,
timber + down log assoc.
- ✓ 2669 Scalopus — under fallen fence
post at edge of meadow in valley floor

May 24, 1933

6 traps in open field caught

1 ♂ Peromyscus maniculatus gambelli

10 traps in willow thicket caught

1 ♂ Peromyscus truei

30 traps up Littlefield Creek caught

1 ♂ ad. Peromyscus boylii (near water)

1 ♀ ad " truei (on log in
timber)

1 ad ♂, 1 im. ♂ 2 ♀ ad + 2 im. ♀ Peromyscus
maniculatus gambelli

Silmore
1933

Mad R. Ford, 2700 ft., above Ruth, Trinity Co., Calif.
May 24, 1933 (cont.)

6 gopher traps in sandy flat caught
1 juv. Thomomys bottae leucodon

- ✓ 2670 Dipodomys californicus ♂ T.E. 348-210-49-15
91.3 gm. Taken by J. Grinnell in
scattered brush in sandy river valley bottom
- ✓ 2671 Dipodomys californicus ♀ 3 embs. x 3
320-195-46-25 76.6 gm. Same as above.
- ✓ 2672 Dipodomys californicus ♀ 3 embs. x 8
3296-178-46-14 x 71.3 gm. Same as above.
- ✓ 2673 Peromyscus boyleyi ♂ T.E. 213-107-22-18 x 29.1 gm.
taken in wet moss at edge of water, Littlefield
Creek - Timber area.
- ✓ 2674 Peromyscus noctivagans ♂ 97-40-8-12
at camp - among pines & willows - 20 yds.
- ✓ 2675 Peromyscus noctivagans ♂ 98-42-8-13 ; 7.7 gm
same as above - 30 yds.
- ✓ 2676 Peromyscus noctivagans ♂ 97-38-8-12 ; 7.3 gm
same as above. 20 yds.
- ✓ 2677 Peromyscus noctivagans ♂ 99-46-8-12 ; 6.5 gm
same as above 15 ± yds.
- 2678 Scalopus Gravel & oak brush at
Snow line - Horse Ridge, 5500 ft.

Silmore
1933

Mad R. Ford, 2700 ft., above Ruth, Trinity Co., Calif.
May 25, 1933

2679 ~~Gopher Garter~~ ~~Garter Snake~~ Manzanita Brush at camp
2680 Sceloporus - among rocks of river bed.

15 traps set up ridge trail in timber
elevation up to 4500 ft. caught
5 Peromyscus truei

✓ 2681 Eutamias sonomae ♀ (nursing young). 255-110-36-17

76.5 gm. caught on large log at edge of timber.

Manzanita brush nearby. Afternoon catch?

✓ 2682 Thomomys ^{bottae} leucodon ♀ juv. 148-43-27-3 x 34.3 gm.

taken by W. H. Behle in loamy soil under pines
in valley floor.

✓ 2683 Thomomys bottae leucodon ♂ T.E. 221-60-27-4; 146.3 gm.
Taken by W. H. Behle, as above.

✓ 2684 Thomomys bottae leucodon ♂ T.E. 224-63-31-5; 150.5 gm.
Taken by W. H. Behle, as above.

MAY 26, 1933

Same trap line as per page, May 24.

2 im ♂, 1 im ♀ Peromyscus maniculatus gambelli

1 ad ♂, 1 ♀ ad Peromyscus truei

1 ad. ♂ Peromyscus boyleyi

1 ad. ♂ Dipodomys californicus

1 ad. ♀ Thomomys bottae leucodon

Gilmore 1933 Mad R. Ford, 2700 ft., above Ruth, Trinity Co., Calif.
May 26, 1933 (cont.).

- ✓ 2685 Dipodomys californicus ♂ 315-190-46-14; 78.8 g.
taken in open grassy field near river. { Pouch contents saved.
- ✓ 2686 Thomomys bottae leucodon ♀ 186-54-26-3; 78.6 g.
Sandy, loam under yellow pines in valley floor.
- ✓ 2687 Peromyscus ~~leucodon~~ ^{boylii} ♂ T.F. 212-111-23-18; 29 gm.
taken same place as no. 2673
- ✓ 2688 Peromyscus truei ♂ T.F. 213-108-25-24; 32.4 g.
log setting at edge of timber.
- ✓ 2689. Peromyscus truei ♀ Sembs x 10 208-106-24-21.5
32.3 gm. at edge of dead log.

Horse Ridge, 5500 ft., SE Ruth, Trinity Co., Calif.
May 28, 1933

- 2690 Scalopus occidentalis — on log on dry ridge.
- ✓ 2691 Scapanus latimanus ♂ 190-34-23 x 78.3 gm.
on steep hillside, ^{scattered timber} clay ground, 20 yds. from spring.
- ✓ 2692 Neotoma fuscipes ♂ 410-200-40-27 x 769.6 gm.
taken at base of rock pile at edge of timber.
- ✓ 2693 Neotoma fuscipes ♂ 428-210-42-28; 204.2 gm.
Same as above.

Horse Ridge at 4000 ft., SE Ruth, Trinity Co., Calif.
May 28, 1933

- 2694 Scalopus graciosus — log on dry ridge.
- 2695 ~~Gopher~~ Snake — forest floor on dry ridge.

Sillman
1933

Horse Ridge, at 5500 ft., SE Ruth, Trinity Co., Calif.
May 29, 1933

17 rat traps set around rock out cropping
at head of canyon and surrounded by
Chinquapin & manzanita and ceanothus
brush caught

2 ♀ Eutamias sonomae

1 ♂ Peromyscus maniculatus gambelli

15 rat and 15 mouse traps set
in timber and water's edge at edge head
of canyon (white fir, Douglas Spruce) ^{caught}

1 ♀ Sorex thomomys

2 ♀ Eutamias sonomae

3 ♂ and 7 ♀ (ad. all) Peromyscus
maniculatus gambelli

✓ 2696 Sorex thomomys ♀ 117-48-14-4 x 5.5 gm.
base of log, damp spot, 4' from creek.

✓ 2697 Eutamias sonomae ♀ 250-105-37-16 x 73 gm.
base of rocks - chinquapin brush; 50
yds from timber.

✓ 2698 Eutamias sonomae ♀ 167-27-36-16 x 61.8 gm.
Same as above. ^{↓ Tail a stump!}

✓ 2699 Eutamias sonomae ♀ 226-88-37-16 x 67 gm.
taken in timber.

✓ 2700 Peromyscus maniculatus gambelli ♂
169-73-19-13 x 21.1 gm. In timber as above.

Gilmore
1933

Mad R. Ford, 2700 ft., above Ruth, Trinity Co., Calif.
May 29, 1933

- ✓ 2701 Lepus californicus ♂ 590-112-138-160 X 252 gm.
✓ 2702 " " ♀ 610-115-130-165 X 3028 gm.
No. 2701 taken by W. H. Behle at edge of timber adjacent to river.
No. 2702 " " J. Grinnell at edge of timber
✓ 2703 Sorex thombridgei ? 115-47-13-4 X 4.5 gm.
taken by W. H. Behle up side canyon

Horse Ridge, at 5500 ft., SE Ruth, Trinity Co., Calif.
May 29, 1933

- Skel. 2704 Oreortyx pictus ♀ 2 yolks in fallopian tubes. 252.7 gm.

Mad R. Ford, 2700 ft., above Ruth, Trinity Co., Calif.
May 30, 1933

- ✓ 2705 Neotoma fuscipes ♂ T.E X 35 420-196-43-29
X 348.5 gm. taken by J. Grinnell at base of
Yellow Pine near stream.
✓ 2706 Lasionycteris noctivagans ♂ 106-44-8-12 X 8.4 gm.
Shot by J. Grinnell near camp.
✓ 2707 Eutamias sonymae ♀ 247-104-37-16 X 81.2 gm.
timber edge - Taken by J. Grinnell
✓ 2708 Peromyscus maniculatus gambelli ♂ im ?
151-70-21-14, 16.5 gm. taken at log
near river.

Gilmore
 1933

Horse Mt., 4700-5200 ft., Humboldt Co., Calif.
 June 1, 1933

- 2709 Scalopus gracilis { taken on open gravelly
 2710 " " { ground near rocks
 2711 " " {
 ✓ 2712 Sciurus douglasii ♀ 328-135-54-15 - Taken
 near crest of ridge on log in dense stand of
 Douglas Spruce.
 ✓ 2713 Eutamias townsendi ochrogenys ♂ 247-105-
 37-17 x 88.5 gm. - Taken among rocks
 + brush at base of rock outcrop on
 edge of ridge crest. Surrounded by
 scattered timber.
 ✓ 2714 Eutamias ~~townsendi~~ sonomae ♀ 245-110-36-16
 65 gm. Taken by J. Grinnell in open timber.
 ✓ 2715 Peromyscus maniculatus rubidus ♂ 195-93-22-15.
 28.2 gms. Taken by J. Grinnell under
 Huckleberry oak bush among scattered timber.

June 2, 1933

35 traps (25 mouse + 10 rat) set
 along down logs, heavily wooded steep
 creek, Huckleberry oak (pure stand)
 and small rock outcropping caught

1 ♀ Blancomys sabrinus

- ✓ 2716 Blancomys sabrinus ♀ 275-120-39-20 x 138.1
 taken at base of small Douglas Spruce in
 the narrow creek bottom - dense stand of small
 timber.

Silmore
1933

Horse Mt., 4700-5200 ft., Humboldt Co., Calif.
June 2, 1933 (cont.)

- ✓ 2717 Clethrionomys obscurus ♀, im(?) 118-33-18-8
14.9 gm. Taken by J. Grinnell, ^{his.} see Note book
- ✓ 2718 Clethrionomys obscurus ♀ 117-33-18-8 x 15.5g.
same as above.
- ✓ 2719 Peromyscus maniculatus rubidus ♂ 177-83-21-15
21.4 gm. — see notes of J. Grinnell.
- ✓ 2720 Neotoma fuscipes ♂ 430-205-41-28 x 314.3
Taken by W.H. Beale & taken at nest on
rock in thicket of Huckleberry Oak.
- ✓ 2721 Neotoma fuscipes ♂ P.E x 35 445-212-43-29
380.9 gm. as above.
- ✓ 2722 Neotoma fuscipes ♂ 405-200-41-27 x 227.4
same as above.
- ✓ 2723 Eutamias sonomae ♀ 243-108-37-16 x 63.5g.
Taken at base of rocks small rock pile
in mass of Huckleberry Oak; 20 yds
from timber; 40 yds. from creek.

June 3, 1933

Same trapline as before caught
1 ♀ ad. Neotoma cinerea
2 ♂ ad Clethrionomys obscurus

10 traps set in Huckleberry Oak Brush
and rocks caught

1 ♂ ad. and 1 ♀ ad. Peromyscus m. rubidus

Siemens
1933

Horse Mt., 4700-5200 ft., Humboldt Co., Calif.
June 3, 1933 (cont.)

- ✓ 2724 Sorex townsendii ♀ (no embs.) 114-49-13.5-4 x 4.8 gm.
Taken by W.H. Behle.
- 2725 Clethrionomys obscurus ♂ T.E x 18, 169-50-20-10
33 gms. Taken at base of Doug. Spruce on open
needle covered ground 20 yds from water.
- ✓ 2726 Clethrionomys obscurus ♂ T.E x 13, 147-43-18-9
21.1 gm. Taken next to rock in dense growth
of Huckleberry Oak & sparse growth of Doug.
Spruce. 10 yds from water.
- ✓ 2727 Peromyscus m. rubidus ♂ T.E. 173-79-21-15;
23.5 gm. Taken by Behle - See his notebook.
- ✓ 2728 Peromyscus m. rubidus ♂ T.E 172-80-21-16,
22 gm. Taken in rocks & Huckleberry Oak
Brush on dry hillside. Scattered timber.
- ✓ 2729 Nestoma cinerea ♀ (no embs.) 365-167-39-26
193.5 gm. Small rock & dense growth
of brush.
- ✓ 2730 Nestoma fuscipes ♂ T.E. 380-180-39-27; 219.2
Taken by J. Grinnell in rock pile at
patch of Huckleberry Oak & edge of timber.
- ✓ 2731 Sciurus griseus ♀ (no embs.) 570-270-80-30
837.5 gm. Taken by W.H. Behle from
black oak at approx. 4000 ft.
- 2732 Scalopus graciosus - beneath stone on
brushy hillside - approx 5000 ft.
Torpid from cold & had taken refuge under stone.

Horse Mt., 4700-5200 ft., Humboldt Co., Calif.
June 3, 1933 (cont.)

Gilmore
1933

Afternoon catch

1 ♂ ad. Citellus douglasi

1 ♂ ad. Scapanus latimanus

1 ♀ ad. Eutamias townsendi ochrogenys

✓ 2733 Eutamias townsendi ochrogenys ♀ (no embs.) 751-107-38-16; 80.5 gm. Base of Doug. Spruce in stand of small trees near bush + creek.

✓ 2734 Scapanus ♂ 185-35-21; 84.5 gm. Caught in camp. Flat among juniper + incense cedar.

✓ 2735 Citellus douglasi ♂ T.E x 50. 465-200-58-18 664 gm. Taken among rocks + bush (huckleberry oak + manzanita) at 4900 ft.

June 4, 1933

Same trap line + 4 traps set in rocks caught: 1 ♀ ad. Nestoma cinerea

1 ♀ ad. Clethrionomys obscurus

✓ 2736 Clethrionomys obscurus ♀ 140-47-18-8

29.5 gm. Taken among ^{small} rocks in timber + scrub brush.

✓ 2737 Nestoma fuscipes ♂ 430-196-43-27; 342.3g. Taken by J. Grinnell - see his notes.

✓ 2738 Nestoma cinerea ♀ 360-168-39-27; 220 gm. Rocks + bush on open hillside. 4900 ft.

✓ 2739 Spilogale phenax ♂ 435-145-52-13; 603.5g. Taken by J. Grinnell - see his notes.

Delmore
1933

Horse Mt., 4700-5200 ft., Humboldt Co., Calif.
June 4, 1933

- ✓ 2740 Peromyscus m. rubidus ♂ T.E. (approx meas.) 185-
100-21-19 ; 21.5 gm. Taken by W.H. Beble
see his notebook
- ✓ 2741 Peromyscus m. rubidus ♂ T.E. (measurements not
taken, omitted by mistake) - W.H. Beble above.

June 5, 1933

55 traps, including 7 steel, and
20 rat traps caught

by J. Grinnell { 1 ♂ ad. Sorex townsendii in brush +
rocks under small Doug. Spruce
1 ♂ ad. Clethrionomys obscurus at
side of rock in small stand of
small Doug. Spruce near creek.
2 ♂ ad., 1 ♀ ad. Neotoma cinerea in
rocks at edge of timber and
brush of Huckleberry Sat -
prepared by W.H. Beble.

1 ♂ Blancomeys sabrinus - creek
bottom - bases of two small Doug. Spruce

- ✓ 2742 Blancomeys sabrinus ♂ T.E. x 35 -
305-142-41-19 ; 128.7 gm. - bases
of 2 Doug. Spruces - creek bottom.
body in formalin.

Horse Mt., 4700-5200 ft., Humboldt Co., Calif.
June 5, 1933 (cont.)

Silmon
1933

- ✓ 2743 Spilogale phenax ♀ 385-140-43-14;
347.8 gm. Taken by J. Grinnell - see his notes.
- ✓ 2744 Thomomys monticola (no emb.) 197-60-28-5.5
79.7 gm. Taken on crest of ridge, bare
ground - near Cold Springs - 5000 ft.
- ✓ 2745 Sciurus douglasii ♀ 335-135-52-17 (no emb.)
257.4 gm. Heavy stand of Doug. Spruce
near summit of ridge - on dead log
when shot. 5000 ft.
- ✓ 2746 Sciurus douglasii ♂ T.T. 40; 310-110-52-17
246.3 gm. In Doug. spruce situated
on dry ridge near 5000 ft.
- ✓ 2747 Thomomys monticola ♀ (no emb.) 196-61-24-6
72.8 gm. Taken by W.H. Behle at about
4000 ft. see his notes - also under this species.

June 6, 1933.

Regular trapline at junction of brush,
rocks and edge of timber caught only

1 ♂ ad. Neotoma fuscipes

One steel trap + 1 Schuyler in old mine
residence shack caught

1 ad ♀ Neotoma fuscipes (expected emerea)
claws of 1 Citellus douglasii

One Schuyler + one rat trap at base of
rock in brush + timber caught

House Mt., 4700-5200 ft., Humboldt Co., Calif.
June 6, 1933 (cont.)

Silliman
1933

1 ♂ + 1 ♀ ads. Peromyscus m. rubidus (both caught in rat trap).

Eleven gopher traps (1 set in dense timber) caught 2 ad ♀ Thomomys monticola
1 ad. Scapanus latimanus

Four rat traps + eleven mouse traps set in deep timber on east side of crest of ridge caught

1 ♀ ad. Sciurus Douglasii

1 ♀ ad. Eutamias townsendi

1 ad ♂ Nestoma cinerea

1 ad ♂ + 1 ad. ♀ Peromyscus m. rubidus

2748 Eutamias townsendi ♀ (no embs.) 760-110-37-16
100 gm. Heavy timber on east side near crest; taken under large log near seepage.

2749 Thomomys monticola ♀ (no embs) 182-57-26-5
opening in heavy forest on east side ridge near crest - 5000 ft., Uterus somewhat swollen.

2750 Thomomys monticola ♀ 198-62-25-5; 65.5 gm.
on open bare knoll near timber on crest of ridge - 5000 ft. Uterus swollen.

2751 Scapanus latimanus ♂ 191-34-24; 99.5 g.
Open meadow bare ground as above 2750.

2752 Peromyscus m. rubidus ♂ 178-88-21-15;
20.8 gm. Edge of timber on top of ridge - under bush.

Horse Mt., 4700-5200 ft., Humboldt Co., Calif.
June 6, 1933 (cont.)

Salmon
1933

- ✓ 2753 Peromyscus m. rubidus ♀ 180-85-21-15
43.5 gm. as above.
- ✓ 2754 Nestoma fuscipes ♀ 387-191-40-26; 181.8 g.
in upper floor of old mining house
adjacent to mine. no emb.
- ✓ 2755 Sciurus douglasii ♂ T.E. x 30 mm. 311-109-50-
16; 247.7 gm. Killed on trunk of
dead Song-Spruce in dense stand of
timber near east edge of ridge.

Daytime catch in line of 30 traps set
along junction of timber to creek bed and
brush and rocks was

1 ad ♀ Sorex townsendii

2 ad ♀ Eutamias townsendi

1 ad Blue Fronted Jay & 1 ad Junco.

- ✓ 2756. Thomomys monticola ♂ juv. 142-40-23-4
33.5 gm. Taken by W.H. Bickel at 4000
ft. - see his notes. Same place as 2747
- ✓ 2757 Eutamias townsendi ♀ 247-105-36-17; 81.2 g.
Small rock ledge; edge of timber & brush.
- ✓ 2758 Eutamias townsendi ♀ 254-103-37-16; 88.5 g.
assoc. as above, 100 yds away at edge
of heavier timber. no emb., uterus
swollen.

Salmon
1933

Stone Mt., 4700-5200 ft., Humboldt Co., Calif.
June 7, 1933

Line of traps along creek, brush & timber.

1 ♂ ad. Peromyscus m. rubidus

2759 Sorex townsendi ♀ 109-45-14-4; 6.4 gm.
taken by W.H. Behle - see his notes.

✓ 2760 Thomomys monticola ♂ T.E. x 35, 197-65-25-6.5
78.1 gm. Taken by W.H. Behle; see his notes.

^{Pk.}
Coyote Mt., at 3000 ft., Humboldt Co., Calif.
June 9, 1933

20 mouse traps, 10 rat traps set in
log & debris assoc. at edge of woods caught
2 ♂ ad. Per + 1 ♀ sub. ad. Peromyscus m. rubidus

1 ♂ ad Neotoma fuscipes

✓ 2761 Peromyscus m. rubidus ♀ 170-87-22-15; 19.8g.
under log at edge of timber.

✓ 2762 Peromyscus m. rubidus ♂ 194-94-23-15.5
24.5 gm. - as above.

(as above)

2763 Peromyscus m. rubidus ♂ 187-93-23-16; 24.6g.

✓ 2764 Neotoma fuscipes ♂ T.E. 444-212-41-30
326.7 gm. on small log near edge
of timber; no nest nearby.

Day catch of 6 mole castings was
1 ad Scapanus townsendi

The regular line thru the timber and
the forest edge caught nothing.

Coyote Pk., at 3000 ft., Humboldt Co., Calif.
June 9, 1933 (cont.)

Silmon
1933

- ✓ 2765 Scapanus townsendi ♂ 228-47-28; 170.7g.
Open, bare knoll on crest of ridge "grassy area."
✓ 2766 Sorex townsendi ♀ (no embs.) 113-51-13.5-4; 6.0gm.
Caught by J. Grinnell - see his notes.
✓ 2767 Eutamias townsendi ♀ (no embs.) 265-115-38-17
96.8 gm. Taken by W.H. Behle - see his notes.

June 10, 1933

Same line of traps, - 30 thru edge of
Doug. Spruce and Tan bark Oak forest
caught

2 ♂ ad + 3 ad. ♀ Peromyscus m. rubidus

1 ♂ ad. Sorex pacificus

6 mole settings caught nothing.

- ✓ 2768 Hyla - taken in open field in wet grass.
✓ 2769 Sorex pacificus ♂ T.E. 145-59-17-7; 146g.
trapped in damp litter at edge of large log
in drier aspect of forest.
✓ 2770 Clethrionomys obscurus ♂ T.E. 148-50-20-10
22.0 gm. Taken by J. Grinnell - see his notes.
✓ 2771 Clethrionomys obscurus ♀ (no embs., uterus swollen)
138-47-19-19; 16.8 gm. taken by W.H. Behle;
see his notes.

Silvane
1933

Coyote Pk., at 3000 ft., Humboldt Co., Calif.
June 10, 1933 (cont.)

- ✓ 2772 Peromyscus m. rubidus ♂ T.E. 186-93-23-18
25.5 gm. under log near edge of timber;
drier aspect of timber
- ✓ 2773 Peromyscus m. rubidus ♀ (no emb.; uterus slightly swollen)
195-95-22-17 ; 28.5 gm. As above.
- ✓ 2774 Peromyscus m. rubidus ♀ (4 small emb. x 3 mm.)
197-99-23-17 ; 29.0 gm. As above.
- ✓ 2775 Peromyscus m. rubidus ♂ T.E. 175-85-23-17
20.3 gm. As above.
- ✓ 2776 Sciurus douglasii ♂ T.E. 315-130-50-18
203.3 gm. - Taken by J. Grinnell - see his notes.
- ✓ 2777 Lepus californicus ♀ 610-110-145-160
3333 gms. Taken by W.H. Behle on
open hillside near grove of Garry Oak.
- ✓ 2778 Eutamias townsendi ♂ T.E. 255-110-36-16
96 gm. Under shell of old log - damp litter;
edge of forest.
- ✓ 2779 Eutamias townsendi ♂ T.E. 230-80(stump)-37-17
94.0 gm. Taken by W.H. Behle - see his notes.

June 11, 1933

Same trap line caught
1 ♂ ad. + 1 ♀ ad. Peromyscus m. rubidus
1 ad. Scapanus
2 ♂ ad. Eutamias townsendi (probably
caught during ^{fast} 2 hours of day light, yesterday)

Coyote Peak, at 3000 ft., Humboldt Co., Calif.
June 11, 1933 (cont.)

Gilmore
1933

- ✓ 2780 Eutamias townsendi ♂ T.E. 245-97-36-16
98.3 gm. Caught under roots of old log -
clump ground - tunnel set.
- ✓ 2781 Eutamias townsendi ♂ T.E. 265-120-38-16.5
101.6 gm. Outside runway at edge of log
rocks and ground. See under species.
- ✓ 2782 Peromyscus maniculatus rubidus ♂ T.E. 195-96-23-17
75 gm. Taken by W. H. Behle - see his notes.
- ✓ 2783 Peromyscus maniculatus rubidus ♂ T.E. 185-88-20-15
20.8 gm. - at base of roots on uprooted tree -
edge of timber.
- ✓ 2784 Neotoma fuscipes ♂ T.E. 438-215-43-28
285.4 gm. Taken by J. Grinnell - see his notes.
- ✓ 2785 Scapanus townsendi ♀ (no embs.) 210-43-27
143.0 gm. Taken in open grassy hillside
at edge of timber - that is - 10 yds away.
- ✓ 2786 Scapanus townsendi ♀ ^{no embs.} 215-45-28 x 135.5 gm
open grassy knoll - 20 yds from edge of timber
- ✓ 2787 Thomomys bottae laticeps ♂ 293-73-30.5-4
186.9 gm. Taken by W. H. Behle; see his notes.
- ✓ 2788 Thomomys bottae laticeps ♂ 205-60-27-4
119.5 gm. as above.
- ✓ 2789 Thomomys bottae laticeps ♀ (4 embs. x 5)
208-70-26-4 ; 97.2 gm. as above.

3000 ft., 4 mi. NE Coyote Pk., Humboldt Co., Calif.
June 12, 1933

Sullivan
1933

30 mouse + 8 rat traps set thru chuguin
and manzanita brush on crest of
adjacent ridge caught

2 ♂ ad. + 2 ♀ ad + 2 ♀ im. Peromyscus m. rubidus
5 gopher traps in same place - red soil
caught nothing

~~2790 Microtus californicus ♀ (no embs.) 160-43-20-19.5
43.4 gm. Taken by W.H. Behle. See his notes.~~

✓2790 Peromyscus m. rubidus ♀ 193-91-21.5-15 x 21.5 gm.
no embs.
taken under manzanita on brush ridge; see under
itinerary.

✓2791 Peromyscus m. rubidus ♀ 192-93-23-17 x 22.3 gm.
no embs.
as above. see under itinerary + narrative.

Coyote Peak, at 3000 ft., Humboldt Co., Calif.
June 12, 1933

✓2792 Microtus californicus ♀ 160-43-20-10.5 x 43.4 gm.
(no embs.) Taken by W.H. Behle. See his notes.

✓2793 Thomomys californicus ♀ 160-42-21-11 x 39.2 gm.
(no embs. swollen uterus) as above.

✓2794 Sorex sagrans ♂ 106-39-14-9 x 7.1 gm.
? Taken
in microtus trap by W.H. Behle; see his notes.

✓2795 Thomomys bottae laticeps ♂ 215-65-28-5
his
152.3 gm. T.S.E. Taken by W.H. Behle - see notes.

✓2796 Thomomys bottae laticeps ♂ 240-75-30-5
x 182.0 gm. as above.

at 3000 ft., 4 mi. NE Coyote Peak, Humboldt Co., Calif.
June 13, 1933

Same line of traps set thru the chinquapin
and manzanita brush on ridge crest
just west of Klamath River, caught
1 ♂ ad. + 1 ♀ ad. Peromyscus m. rubidus

1 ♂ ad. Sorex townsendii

12 gopher traps - set in red, gravelly soil
among brush or at edge of timber caught
1 ♂ ad. + 2 ♀ ad. Thomomys monticola mazama

2797 Sorex townsendii ♂ 114-55-14-4 x 4.1 gm.

brush assoc. - gravelly dry soil - top of ridge

2798 Thomomys monticola mazama ♂ 200-63-26-6

87.7 gm. - red, gravelly soil - top of ridge.

brushy assoc., relatively dry.

2799 Thomomys monticola mazama ♀ 190-60-25-

6 x 89.0 gm. (3 emb. x 12) - open

glade between forest + chinquapins

red, slightly-gravelly, dry soil; top of ridge.

2800 Thomomys monticola mazama ♀ 195-65-

25-6 x 79.8 gm. as above.

Coyote Peak, at 3000 ft., Humboldt Co., Calif.
June 13, 1933

2801 Sciurus douglasii ♀ 320-130-51-18

202.6 gm - Taken by J. Gurnell -
see his notes.

Coyote Peak - cont. June 13, 1933 (cont.)

Silmore
1933

✓ 7802 Eutamias townsendi ♀ 270-170-39-16; 112.0g
Taken by J. Grinnell - see his notes (no embos.)

June 14, 1933

17 traps in ~~wire grass~~, oat grass and
salmon berry thicket, caught damp
and at edge of timber at lower edge
of swale caught
3 ♂ ad.; 1 ♂ im.; 1 ♀ ad.; 1 ♀ im. Peromyscus
maniculatus rubidus.

13 traps set in wire grass seepage
in swale near timber caught
2 ♂ ad. + 1 im.; 1 ♀ im. Peromyscus m. rubidus

40 mouse traps, 10 rat traps, set
in stream bed of precipitous nature
& wind-falls of timber about caught
2 ♂ ad. + 1 ♀ ad. Peromyscus m. rubidus
one rat trap held what appeared to
be the hair & entrails of a Blancornys

5 mouse traps - 5 rat traps set in
timber ^{50 yds. from} ~~along~~ stream, under
logs, etc - caught
1 ♀ ad. Eutamias townsendi

Coyote Peak - cont. June 14, (cont.)

Jelenc
1933

5 rat traps set at wood rat nests in edge of timber caught - Nothing - tho 2 were spring, 3 probably by Citellus + 1 by Peromyscus.

This trap line was remarkably unproductive for J.S. Had expected Zapus + Sorex navigator to be caught; the Zapus in the oat grass and salmon berry thicket & the water shrews along the tumbling stream with steep wooded sides.

- 2803 Sorex frowbridgii ♂ 122-55-14-5 x 4.7 gm.
Taken by W.H. Behle - see his notes.
- ✓ 2804 Microtus californicus ♀ 167-42-21-12 x 50.0 g.
Taken by W.H. Behle - see his notes (no embs.)
- ✓ 2805 Thomomys bottae laticeps ♂ T.E. 237-78-31-4.5
188.5 gm. as above.
- ✓ 2806 Thomomys bottae laticeps ♀ 206-65-28-4 x 98.5 g.
no. emb. - uterus swollen - mammary glands enlarged - Taken by Behle - as above.
- ✓ 2807 Thomomys bottae laticeps ♂ T.E. 225-75-29-4
131.5 gm. → Behle - as above.
- ✓ 2808 Thomomys bottae laticeps ♀ 205-65-26-3
118.5 gm. as above. 5 embs. x 18.
- ✓ 2809 Thomomys bottae laticeps ♂ 219-70-27-5
158.2 gm. as above.

Coysie Peak (cont.) June 14 (cont.)

Silvius
1933

- 2810 Eutamias townsendi ♀ 752-98-39-16
117.5 gm. Taken under log in heavy
Forest. Evidently nursing young.
- 2811 Peromyscus — in wire grass sward.
- 2812 " " " " "

June 15, 1933

17 traps in grass + salmon berry thicket
caught2 ♂ ad. Peromyscus maniculatus rubidus

13 traps in wire grass swards caught

1 ad ♂ + 1 ♀ ad Peromyscus m. rubidus1 ad. Sorex vagrans40 mouse traps + 10 rat traps along dark
steep creek caught3 ♂ ad; 1 ♂ im. + 1 ♀ ad. Peromyscus m. rubidus1 ad. Sorex vagrans

20 mouse + rat traps in timber caught

1 ♂ ad. Peromyscus m. gambelii rubidus1 ad. Sorex townsendii

5 wood rat sets caught

1 ♀ ad. + 1 ♂ juv. Neotoma fuscipes.

Selmon
1933

Coyote Peak - (cont.) June 15, (cont.)

This trapline was expected to yield Zapus and water shrews but no soaps. - also strange that no Sox pacificus or Clethrionomys were taken at the log sets in timber. Populations of small mammals are low. All measurements taken by J. Grinnell.

- ✓ 2813 Sox townsendii ♀ 119-55-13.5-4.5
6.2 gms. Taken at waters edge in small
ravine - heavily wooded. (no embs.)
- ✓ 2814 Sox vagrans ♂ 104-46-12.5-4 x 3.8 gm.
Taken at end of decayed log in forest.
- ✓ 2815 Sox vagrans ♂ (?) 98-39-12-4 x 5.5 gm.
Taken in wire grass seepage area.
- ✓ 2816 Neotoma fuscipes ♀ 460-211-41-25
282.5 gm. Taken at ed stick house in
hazel thicket on fringe of forest.
(3 embs. x 17).
- ✓ 2817 Neotoma fuscipes ♀ juv. 300-145-37-21
114.3 gm. as above - adjacent (10 yds) nest.

Section 3
Species Accounts

Humboldt and Trinity Cos., Calif.
1933

R. M. Gilmore

Scapanus latimanus 1Gilmore
1933

Mad R. Fork, 2700 ft., above Ruth, Trinity Co., Calif.

May 20, 1933

Tunnels not numerous tho more common on sandy valley flats than near timber or up side streams.

May 26, 1933

Mole tunnels noted up at least to 4000 feet along the ridge trails. Two sets made so far in runways in the valley floor have been unsuccessful though both have been sprung. Will the mole fail to revisit the same tunnel where it has once sprung a trap?

May 29, 1933

Mole workings common at edge of timber, 5500 ft., on west slope of Horse Ridge. No. 269, taken in rather dry ground near (20 yds.) spring at timber line. Many signs noted everywhere.

Horse Mt., 4700-5200 ft., Humboldt Co., Calif.

June 3, 1933

No 2734 taken in camp. Burrows, tunnels and piles of dirt are in evidence over

Scapanus latimanus (2)Dilmore
1933

an area 75 ft long by 20 ft. wide. At the upper level of these workings the mole was caught. Trap was set about 1' down in tunnel. Angleworms were found in the damp ground while digging for the mole; perhaps these form food supply of mole.

Evidence of habitation, such as shallow tunnels, small burrow mouths (both open and closed) are numerous thru brush, creek bed and timber.

June 7, 1933

On the bare grassy knolls of the ridge near Cold Springs ~ 7 miles south east — are numerous evidence of moles and spec. no. 2751 came from this open ground association. Often the holes resembled gopher workings and at times I couldn't tell whether I was setting a trap in which a gopher or a mole might be caught.

Scapanus townsendiSilliman
1933~~Vulpes~~ Coyote Peak, at 3000 ft., Humboldt Co., Calif.
June 11, 1933

Common on the bare knolls and hill sides and appear to prefer well drained soil - that is, are on the elevated parts of the terrain. The burrows & mounds are large - some mounds measure 2' across & are 1' high. Generally there are several - 3 or 4 - of these dome shaped piles of dirt in a line. The rest of the workings of this mole are tunnels which are extensive. They are very active when their runway has been disturbed & return often to the traps. Evidently when they feel the jaws of the Macabee Gopher traps with their very sensitive nose they turn to one side & burrow past the trap, often springing it as they go by the side of the trigger. I have had them go by the trap in the wrong direction, spring the trigger with the ~~front~~ hind foot and get caught by the front foot.

In digging the burrow of the female which evidently had just raised a litter, I found the first down slope burrows shallow & branching with some blind side pockets. Dug about 15 ft. On the up hill burrow, it seemed to go straight down to a hard pan about

Scapanus townsendi (2)

~~Scapanus latimanus~~

~~Hesperomys cinereus~~

Silvius
1933

2 1/2 feet under the surface where I finally quit digging after following it about 5 feet. If the nest lay at this depth it was ~~not~~ a damp proposition for the suppage waters ran along this hard pan.

Sorex vagrans (1)Gilmore
1933Mad R. Ford, 2700 ft., above Ruth, Trinity Co., Calif.
May 26, 1933.

But one specimen has been taken so far, no 2643. This was trapped among some rocks and forest litter near the stream up a side canyon. Trap had been in place 3 days and had caught one Peromyscus. This specimen after subsequent examination is probably Sorex townsendi.

Arise Mt., 4700-5200 ft., Humboldt Co., Calif. June 7, 1933

One specimen caught — that by W. H. Behle in "wire grass" meadow at about 4000 ft. In this same association he also caught Microtus.

Coyote Peak, at 3000 ft., Humboldt Co., Calif.

June 12, 1933

W. H. Behle takes another & again in his Microtus traps in meadow area of on trappers hillside.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10.

Sorex pacificusSilvius
1933Coyote Peak, at 3000 ft., Humboldt Co., Calif.
June 10, 1933

Spec. 2769 was captured at side of large log in drier aspect of forest - tho damp enough at that right now. The impression for the trap was made with the ~~chance~~ shoe - there was no natural runway previously. Evidently the shrew lived in the damp litter & dirt where it fed on insects and any freshly disturbed spot was a desirable area to scout over for food.

Delmore
1933

Sorex townsendii (1)

Mad R. Ford, 2700 ft., above Ruth, Trinity Co., Calif.

May 26, 1933

None taken so far; strange. Traps have been set along streams & in moist willow thickets in fields. No result.

May 29, 1933

Probably no 7643 is a townsendii. Five specimens in all have been taken, one no. 7696, at 5500 ft. near Fire. Not common anywhere, however, and generally taken in damp localities but not actually at edge of water.

Horse Mt., 4700-5200 ft., Humboldt Co., Calif.

June 7, 1933

Scattered individuals have been taken but none near running water. All were secured in traps set in dry timber near rocks or brush. Probably the population quite unstable and shifting as to headquarters due to curtailed food supply from late season. One ♀ taken during day of ~~May~~^{June} 6 had 3 small embryos x 3 mm.

Sorex FowbridgeiSalmon
1933Coyote Peak, at 3000 ft., Humboldt Co., Calif.
June 13, 1933

Usual ^{small} number taken in traps set
in forest & along canyon bottom. One
also taken by me in dry gravelly, brushy
area on top of adjacent adjoining ridge
4 miles NE of here.

Myotis

(1)

Selmore
1933

Mac R. Ford, 2700 ft., above Ruth, Trinity Co., Calif.

May 26, 1933

Not common. Generally seen close to trees or near brushy hillsides. Fly low and erratically. Easily distinguished from Lasiurus by smaller size, more twisting flight at lower level 5-10 yds., and occurrence near the bush or trees.

May 29, 1933

Several seen at late evening at willows at river's edge. So quick is the flight of this bat & so darting his movements close to the foliage or ground that one rarely obtains a glimpse of one above the horizon long enough to aim adequately and shoot.

Horse Mt., 4700-5200 ft., Humboldt Co., Calif.

June 7, 1933

None seen.

Lasionycteris noctivagans (1)Selmore
1933

Mad R. Ford, 2700 ft., above Ruth, Trinity Co., Calif.

May 26, 1933.

Common. Seen flying in rather straight flight 25-30 yds. high thru open spaces between pines and ^{Southern} ~~firs~~ on valley floor. Easily distinguished from Myotis by straighter flight at higher level and occurrence in open timber & spaces, as well as by larger size.

May 29, 1933

Still present - early and high fliers.

10

10/10/10

Myotis cinerea (.)
 Gilmore 1933 Mad R. Ford, 7700 ft., above Ruth, Trinity Co., Calif.
 May 26, 1933

This evening we had a remarkable flight of Hoary Bats. None have been taken hitherto! They were out from early to late evening, flying higher in the early part & lower in the later part of the evening. Their flight was ~~straw~~ relatively straight & true, more like *Lasiurus* than *Myotis*. The flight ~~was~~ appeared like a migration movement, so large were the numbers and so sudden the appearance of this bat.

May 29, 1933

None seen this evening, nor on the 27th or 28th. This absence lends more of a migrational appearance to the flight on the 26th.

Bulmore
1933

Euarctos americanus (1)

Mad R. Ford, 2700 ft., above ^{Peath}~~Trinity~~, Trinity Co., Calif.
May 23, 1933

Observed one for a few moments this morning. It was met almost face to face in narrow, gravelly, scattered oak covered ravine. Was evidently feeding on grass for it was nosing down the damp ~~sp~~ grassy spots and along the small trickle of water. Pelage was dirty black and ragged. Appeared to be $2\frac{1}{2}$ feet high at shoulders and weigh in neighborhood of 100 lbs. When 15 yds. distant and coming my way, I shouted and it made off up the steep head of the ravine into timber at a lumbering the surprisingly rapid gait. I could not find much evidence of its lichen eaten grass but it probably was for there were no signs of diggings or overturned rocks., Elevation 3000 ft.

Belmore
1933

Mustela vison

Mad River P.O., Trinity Co., Calif. May 30, 1933

Today we interviewed a Mr. Felt Miller - sheep rancher $\frac{1}{2}$ mi. above (east) of Mad River P.O. - who raised mink. He had nine pairs & only two litters. They were in ^{wire} small pens 10' x 3' x 3' with a box nest at one end. One was so tame it came at his call and could almost be handled. Part of his stock came from Oregon & part from Mt. Shasta, Calif. He fed them a mixed ration of meal & meat (either rabbit or sheep). Not successful as a money making venture.

Spilogale phenax (1)
 Gilmore 1933. Horse Mt., 4700-5200 ft., Humboldt Co., Calif.
 June 4, 1933

Spec. 2739 taken by S. Grinnell - see his note book. Stomach contained only small sticks, pine needles + fresh leaves of huckleberry leaf. There were perhaps eaten while the animal was temporarily crazed from the trap pain. Fore foot in trap was not chewed, tho apparently a claw was slightly injured by other things than the trap.

June 5, 1933

Spec. 2743 ♀ - taken by S. Grinnell - 3 pairs mammae - 1 inguinal, 1 thoracic, 1 axillary; an extra nipple on left side in abdominal region.

Canis (1)Belmore
1933Mad R. Ford, 2700 ft., above Ruth, Trinity Co., Calif.
May 29, 1933.

None seen and only one heard so far, but signs in the form of fresh tracks and feces are common. Noted from valley floor to nearly the summit of Horse Ridge. Several times on the ridge, it has appeared from sign that Mr. Coyote has followed my trap line, but there happened to be no catch. Reported as active deer killers of deer in winter see Grinnell's Notes, and much more common before the days of poisoning about 10 years ago. There used to be formerly a \$300 bounty per head, but this is no longer in effect.

It appears that the sheepman wishes to get rid of the coyote by poisoning while the cattlemen is against such methods of extermination.

Horse Mt., 4700-5200 ft., Humboldt Co., Calif.
June 5, 1933

Saw fresh coyote tracks in soft dirt in road halfway between north end of Horse Mt. & Cold Springs. First fresh definite evidence seen so far. Probably the

Canis (2)Belmont
1933Horse Mt. 4700-5200 ft., Humboldt Co., Calif.
June 5, 1933 (cont.)

absence of any sign is due to scarcity of coyotes. This scarcity in turn is probably due to recent (last 10 years) trapping & poisoning campaign in these parts.

Coyote Peak, at 3000 ft., Humboldt Co., Calif.
June 11, 1933

A local shepherd from the Lyon Ranch, on whose property we are camped, stated that a sheep killing coyote was active; that it was a female with ~~one~~ pups in a den nearby; and that the govt. trapper with his dog would soon be out from somewhere & trail the coyote to its den. This is the only correct way to get these sheep killing coyotes. Unlike a poison campaign it doesn't get everything else to boot.

Salmon
1933

Citellus douglasi (1)

Mad R. Ford, 2700 ft., above Ruth, Trinity Co., Calif.
May 20, 1933

Spec. no. 7632 probably nursing - five
mammæ on right side, six on left.,
evenly arranged from groin to axilla
lower thoracic mammæ on left side has
no pair on mate on other side. -
caught on down log at base of forested
hillside near river.

Citellus seem to be common along the
river from bank to timber, tho they
are seldom seen during the day.
Their burrows may be found under
stumps, Ceanothus bushes on the
hillsides and in the open. Afternoon
catch held four. Schuyler traps
hold them all right but do not
kill. Live catch rat traps are not
sufficient.

May 24, 1933

During day's walk to & from summit
of Horse Ridge, one seen among rocks at
4000 ft. and a squirrel, apparently
douglasi seen at edge of snow line, 5400 ft.
Burrows, apparently of this species, noted in
bare spots at snow line.

Bidmore
1933

Citellus douglasi (2)

Horse Ridge, at 5500 ft., SE Ruth, Trinity Co.,
Calif. May 29, 1933

Seen almost to the summit, and
noted as common all along the dry
ridges, especially in open gravelly
or rocky areas.

Horse Mt., 4700-5200 ft., Humboldt Co., Calif.
June 3, 1933

No. 7135 was taken in rocks and brush
near summit of road as it climbs onto
Horse Mt. Douglas Ground Squirrels seem
to be quite common in bushy areas, rocks,
and open ground ^{all the way} to the top of the ridge.

Coyote Peak, at 3000 ft., Humboldt Co., Calif.
June 10, 1933

Common at edge of timber and on open
ground or among rocks. After three days
of steady drizzling, during which time no
squirrels were seen, they came out en
masse with the warm sun and could
be seen running or watching from erect
posture. One was seen to run at least
50 yds from point where frightened to
a small clump of oaks which, no doubt,

200

200

200

200

200

200

Citellus douglasi (3)

Callospermophilus

Salmon
1933

was the location of its home. This indicates extensive feeding habits in the open, at least, after the three days of enforced famine!

June 11, 1933

Noted one individual feeding today... It ate grass + succulent leaves on open hillside about 20 yds from timber.

Eutamias sonomae (1)Belmore
1933

Mad R. Ford, 2700 ft., above Ruth, Trinity Co., Calif.

May 20, 1933

Spec. no. 2677 taken in heavy growth of manzanitas at waters river's edge. Was detected by sharp shrill squeak; regularly repeated. Several others heard nearby but no others seen.

Spec. no. 2681 has 4 pairs mammae: 1 inguinal, 2 abdominal, 1 thoracic..

May 29, 1933

Trapping around rocks, brush and timber at head of canyon on west slope of Horse Ridge at 5500 ft. resulted in capture of this form. Despite the high altitude and presence of White Firs & Chingnapin these chipmunks were common. Same traps taking Eutamias also caught Nestoma fuscipes. Captured in the dry hot rock and Chingnapin association as well as in the damp shady timber habitat.

Dillmore
1933

Eutamias sonomae (2)

Horse Mt., 4700-5200 ft., Humboldt Co., Calif.

June 7, 1933

Not common. taken once in rocks among dense patch of Huckleberry Oak Bush and one taken in open timber near rocks.

Appear to be taken in same habitats as Eutamias townsendii - that is - both rocks & timber. However, I believe, the sonomae form prefers the rocks. Several which I have seen there & shot at appeared to be light colored enough to be sonomae.

Eutamias townsendi ochrogæus (1)

Silmore
1933

Horse Mt., 4700-5200 ft., Humboldt Co., Calif.
June 4, 1933

Not common; apparently in timber though one taken in rocks and brush on crest of ridge.

Apparently taken in timber & rocks near timber. Habitat not as yet easily distinguishable from that of sonomæ.

Coyote Peak, at 3000 ft., Humboldt Co., Calif.
June 11, 1933

Since the sun came out (after 3 day absence & drizzling fog instead) these chipmunks have been active. Running my trap line thru timber yesterday at 4:30 - 5:00 P.M. I found many of mouse traps in sheltered sets, under logs & brush, sprung, and one chipmunk in a very sheltered trap. This morning two rat traps in sk runway sets among roots of large down tree held chipmunks. One, no 2781 had pouches filled with a green ~~herbaceous~~ ^{succulent} leaf - probably from an annual - and the stomach was filled with this green leaf mash. This specimen was probably caught during first two hours of day light this morning; no 2780, during last two hours yesterday.

Dilmore
1933

Sciurus douglasii

Horse Mt., 4700-5200 ft., Humboldt Co., Calif.

June 1, 1933

Spec. No. 2712 with four pair mammae -
1 inguinal, 1 abdominal, 1 thoracic, 1 axillary.
Only one seen so far - taken on log
at head of small canyon in dense stand
of Douglas Spruce.

June 5, 1933

Half dozen seen so far - generally in
deep timber tho No 2746 was dry ridge
of sparsely growing yellow Pine & Doug.
Spruce. No. 2745 with mammae as
2712 above

Very often on, at the side, or end of
and at the bases of trees middens of
cone scales may be seen. These piles
of scales are undoubtedly caused by
the chickaree.

Coyote Peak, at 3000 ft., Humboldt Co., Calif.

June 13, 1933

A few in the timber tho not as common
as at Horse Mt. Middens of cone scales
less commonly seen.

Sciurus griseus (1)Salmon
1933Mad R. Ford, 2700 ft., above Ruth, Trinity Co., Calif.
May 29, 1933

Four seen in last 3 days and 2 taken.
All seen on dry pine & Doug. spruce covered
ridge (also scattered black oak) on route
to Horse Ridge. One - ♀ - uttered a hoarse
staccato chatter when disturbed.

One observed on yellow pine. It quickly
clambered to point of vantage & jumped 6 or 8
ft. to Doug. spruce where, crouched on ~~on~~
6" limb near trunk, it watched me. None
seen at altitude above 3500 ft.

Horse Mt., 4700-5200 ft., Humboldt Co., Calif.
June 4, 1933

One seen yesterday aft. near camp.
Ran from high ground to lower, dense timber
in creek bottom; on ground thru out.

Coyote Peak, at 3000 ft., Humboldt Co., Calif.
June 6, 1933

Local shepherd from the Lyon Ranch,
stated that these squirrels were to be
found lower down on the west side
in Redwood Creek.

Glaucomys sabrinus

Silmon
1933

Mad R. Ford, 2700 ft., above Ruth, Trinity Co., Calif.
May 30, 1933

Two captured by Grinnell Tatum
in heavy stand of Black Oak, Yellow
Pine & Douglas Spruce assoc.
The oaks predominated. It was the
fourth site the traps had been set
there.

Horse Mt., 4700-5200 ft., Humboldt Co., Calif.
June 2, 1933

Spec. no. 2716 taken at base of small Doug.
Spruce in creek bottom near head. In
dense stand of Doug. Spruce of small size all
around. Trap baited with prune and bacon
rind.

No. 2742 was taken in same trap as
was 2716. Both were males - evidently
wandering individuals. Peculiar then
that both should have been caught in
the same trap. It was at the base
of two small Doug. Spruce trees -
which perhaps due to their proximity
gates made a natural "highway" for
a Glau from tree to ground.

Selmon
1933

Thomomys bottae leucodon (1)

2700 ft.
Mad R. fork, ^{2700 ft.} above Ruth, Trinity Co., Calif. May 20, 1933

No. 2629, ad. ♀ showed very large uterus - indicates that it had just borne a litter. Teats were in four pair - 2 pair lower abdominally, 2 pair thoracically & axillary. Three females 2629, 30, 31, none pregnant, though teats show up well and are probably being used at present for nursing. All taken on flat damp ground near river. 2 held a single ~~for~~ small lilaceous bulb in pouch.

May 22, 1933

Noted fresh burrows in small open flat on hillside 300-400 ft. above river. Douglas fir & Garry Oak around.

May 23, 1933

Noted two fresh sets of workings in small gravelly, open, oak covered canyon. Probably these are this form but the individuals off the Valley floor are relatively few.

May 26, 1933

One burrow in loamy soil yielded one adult and two juveniles, one only several

Belmore
1933

Thomomys bottae leucodon (2)

Weeks old (still silky); the other about a week (apparently) older. Another similarly located burrow in the valley floor among the yellow pines held another juvenile, no. 2682.

Both old ♂s, 2683, 84 had swollen maxillary + submaxillary glands in the throat. All the glandular area here was swollen. One held a small bulb of a hiliaceous plant in its pouch.

May 29, 1933

Belmore to range almost to top of Horse Ridge but none taken! Burrows confused with those of mole.

Coyote Peak, at 3000 ft., Humboldt Co., Calif.

June 14, 1933

Beckle has been trapping a big series of large bottae gophers with white incisors. These may be leucodons or they may be latroips. They are found in rich soil of the grasslands + generally in the wet seepage areas in the swales. Not found on the crest of the knolls. The incisors are whitish - more ~~so~~ so at the tips and often tinged with straw yellow in middle; darker at base. Of very large size.

Silwood
1933

Thomomys monticola (1)

Horse Mt., 4700-5200 ft., Humboldt Co., Calif.
June 5, 1933

Numerous workings on crest of bare knolls on ridge crest near Cold Springs. The great majority of the workings are winter cores but there are a few scattered surface mounds of recent date.

No. 2747 - had 4 pairs mammae & abdominal - 2 Phaeic (essentially in two sets). Taken by Belle at about 4000 ft alt. on dry hillside. Evidently T. bottae & T. monticola intermingle but do not interbreed.

June 7, 1933

Spec. 2749 & 2750 were taken on grassy bare knolls on crest of ridge. One was trapped in a burrow mouth scarcely marked by a mound & the other at a fresh mound which was indistinguishable by me from fresh mounds near by. No. 2749 was taken in small opening in heavy timber about 150 yds from bare crest of ridge. Only one mound was had been erected in this clearing.

Thomomys monticola (2.)

Silliman
1933

Coyote Peak, at 3000 ft., Humboldt Co., Calif.
June 12, 1933

During last hike I captured three individuals in the red gravelly soil on top of an adjacent adjoining ridge, 4 m. N.E. of here. The assoc. is one of brush with scattered small Doug. Spruces. Elevation about the same as here where T. bottae luteiceps is being taken by W. H. Behle.

Dipodomys californicus

Siemens
1933

Mad R. Ford, 2700 ft., above Ruth, Trinity Co., Calif.
May 26, 1933

Spec. no. 2685 was taken at end of ~~burned~~
charred log in ~~field~~ a grassy area adjacent
to river and willows on one side and
cultivated oat field on other. Some distance
75 yds., is a steep brush & oak covered
hillside. Check pouch contents ~~sag~~ saved.

General habitat, as evidenced by Summell & Beck's
trapline is in manzanita-ceanothus areas.

Dulmore
1933

Peromyscus maniculatus gambelli (1)

Mad R. Fork, 2700 ft., above Ruth, Trinity Co., Calif.

May 20, 1933

Most ~~numerous~~ numerous; are taken in traps set along stream, on logs, on bank and on flat under bushes. Immatures of the year are already out.

May 26, 1933

Generally found on floor of canyon, willows stream side etc.

May 29, 1933

Eight specimens caught at 5500 ft. in damp timber and dry rock-chunguapin associations.

The habitat of this mouse seems to be along watercourses + rocks from bottom of valley to top of mountain. It is not found in the dry deep timber where only truei has been caught. Habitat in places intermingles with that of P. boylii.

Peromyscus maniculatus rubidusP. H. Moore
1933Horse Mt., 4700-5200 ft., Humboldt Co., Calif.
June 7, 1933

The only Peromyscus present here, but not common at that. However, found in all associations except wet seepage + creek bottoms. About the same size as gambelli at Mad ~~R~~ River ford, but darker in coloration.

Coyote Peak, 3000 ft., Humboldt Co., Calif.
June 11, 1933

Not especially common - tho the commonest mammal + evidently present in woods only + not open fields. Larger than the Horse Mt. form but same color - evidently.

One ♀ (old) taken but not saved. Had four embryos x 7 (3 in one horn + 1 in other horn of uterus).

June 13, 1933

Took a number in chugachin, manzanita brush assoc. on top of adjacent adjoining ridge.

Silmon
1933

Peromyscus truei

Mad R. fork, 2700 ft., above Ruth, Trinity Co., Calif.

May 26, 1933

General Habitat seems to be in Pseudotsuga timbered areas and around its borders. Caught along main ridge trail to Horse Ridge up as far as 3500 or 4000 ft. Mingles with maniculatus and Boylei in canyon mouths & bottoms, respectively.

Peromyscus boylei

Silmon
1933

Mad R. ford, 2700 ft., above Ruth, Trinity Co., Calif.

May 26, 1933

Apparently confined to canyon bottoms.
Sinks, damp, forested side creek bottoms

Neotoma fuscipes (1)

Silmon
1933

Mad R. Ford, 2700 ft., above Ruth, Trinity Co., Calif.

May 20, 1933.

Taken in nearly all associations nearby; nests often small or absent. Most commonly found in oak associations on dry hillsides, or in wet canyon bottom.

May 29, 1933

Four individuals taken on 28th in traps set in rock-bush assoc. at 3500 ft. White fir nearby. None taken on 29th. Habitat appears to be dry to damp oak, rock or bush associations. Large stick nests noted in timber but none caught there.

Horse Mt., 4700-5200 ft., Humboldt Co., Calif.

June 7, 1933

Quite common in vicinity - tho apparently at times sharing ^{habitat} ~~range~~ with M. cinerea in rocks + timber. Stick houses fairly common in canyons. Taken in canyon, near rocks, and in upper story of deserted house.

Salmon 1933. Neotoma fuscipes (2)
~~1st. 2nd. 3rd. 4th. 5th. 6th. 7th. 8th. 9th. 10th. 11th. 12th. 13th. 14th. 15th. 16th. 17th. 18th. 19th. 20th. 21st. 22nd. 23rd. 24th. 25th. 26th. 27th. 28th. 29th. 30th. 31st. 32nd. 33rd. 34th. 35th. 36th. 37th. 38th. 39th. 40th. 41st. 42nd. 43rd. 44th. 45th. 46th. 47th. 48th. 49th. 50th. 51st. 52nd. 53rd. 54th. 55th. 56th. 57th. 58th. 59th. 60th. 61st. 62nd. 63rd. 64th. 65th. 66th. 67th. 68th. 69th. 70th. 71st. 72nd. 73rd. 74th. 75th. 76th. 77th. 78th. 79th. 80th. 81st. 82nd. 83rd. 84th. 85th. 86th. 87th. 88th. 89th. 90th. 91st. 92nd. 93rd. 94th. 95th. 96th. 97th. 98th. 99th. 100th.~~

Coyote Peak, at 3000 ft., Humboldt Co., Calif.
 June 14, 1933

apparently quite scarce here — only two taken so far. Mine — no. 2764 — was taken on log at least 20 yds from nest. Dr. Grinnell has taken one. Last site out of five traps set at large stick houses in hazel thickets on fringe of timber, 3 were sprung (evidently by Citellus) 1 caught a Peromyscus & the other was unsprung. And yet the nests seem to be occupied tho no fresh fecal matter is in evidence.

Neotoma cinerea

Palmere
1933

Horse Mt., 4700-5200 ft., Humboldt Co., Calif.
June 7, 1933

The specimens taken here have been caught almost exclusively in the rocks ~~to the~~ a few have been taken in the heavy timber. In trap set in upper story of old mining bunk house where ~~they~~ ~~to~~ ~~find~~ *cineira* were to be expected, a *Lusarpes* was taken instead. The habitats of these two forms seem to overlap.

Phenacomys longicaudus (1)

Silmon
1933

Mad R. Ford, 2700 ft., above Ruth, Trinity Co., Calif.

May 23, 1933

Examined ~~area~~ what was apparently an old nest. It was of solid Douglas fir needle construction in small Doug. fir near creek. About 10' from ground and 6' from trunk. No other nests seen.

Horse Mt., 4700-5200 ft., Humboldt Co., Calif.
June 7, 1933

No evidence of Phenac nests here.

Coyote Peak, at 3000 ft., Humboldt Co., Calif.
June 14, 1933

Behle found the crushed carcass of one in the main road. Subsequent search for fresh nests failed to reveal any (tho. several dozen (?) old nests were located by Gunnell & Behle. The large old Doug. spruces seem to have some nests in them & the young growth, where nests are to be expected, fail to have many.

Silmore
1933

Clethrionomys (1)

Mad R. Ford, 2700 ft., above Ruth, Trinity Co., Calif.
May 20, 1933

Spec. no. 2635 taken in old decayed
shut dog on edge of forested hill near
river. Only specimen taken so far
tho I have many lively sets.

May 30, 1933

Grimmell has taken several at the
edge of the timber adjacent to the brush.
However they are scarce & do not seem
to be permanently located.

Horse Mt., 4700-5200 ft., Humboldt Co., Calif.
June 7, 1933

About a dozen taken here in traps
set in heavy timber to edge of timber
adjacent to brush. Catch is sporadic -
evidently the individuals are wanderers.

Coyote Peak, at 3000 ft., Humboldt Co., Calif.
June 14, 1933

Only three taken so far - not all of those
saved. Taken in heavy timber by Grimmell.
Evidently scarce.

Microtus californicus (1)Selman
1933

Mad R. ford, 2700 ft., above Ruth, Trinity Co., Calif.

May 30, 1933

None taken tho local kids report them in the hay-fields near Ruth.

Horse Mt., 4700-5200 ft., Humboldt Co., Calif.

June 7, 1933

Behle has taken a few in wire grass
seepage areas at about 3800 ft. altitude
on hillside near garry oak wood. None
other taken but signs noted.

Coyote Peak, at 3000 ft., Humboldt Co., Calif.

June 14, 1933

Behle again scores on Microtus - habitat
same as on Horse Mt. - wire grass
seepages on grassy swales. Sorex vagrans
seems to be assoc. with Microtus, both
here & at Horse Mt.

Lepus californicus

Salmon 1933 Mad River Ford, 2700 ft., above Ruth, Trinity Co., Calif.

May 26, 1933

Fairly common in ~~cany~~ valley bottom thru brush and in open. Have seen as many as six in one bunch. Extremely hard to get; very wary and when alarmed immediately take to deep cover in fringe of timber. That is, they hunt cover rather than the open for safety. Rather reddish in coloration.

May 29, 1933

Two taken today, one by Behle and other by Brumell. Both taken at edge of timber where they had taken refuge from the open flats.

Horse Mt., 4700 ft., 5200 ft., Humboldt Co., Calif.
June 1, 1933

One seen on top of ridge; open country all way on west to Redwood Creek.

Rabbit sign, mostly old, seen commonly in rocky & brushy areas. Perhaps not Jack Rabbits but Brush or ~~Sh~~ Snowshoe Rabbits.

Odocoileus columbianus

Silmon
1933

Mad R. Ford, 2700 ft., above Ruth, Trinity Co., Calif.
May 26, 1933.

Tracks and sign are numerous in the valley bottom but none seen there so far. Three, apparently 2 does and one fawn, seen on nearly slope of Horse Ridge at about 4500 ft. elevation. No fresh sign seen near snow line. Apparently all are lower down where the feed, tho scanty, is best.

May 29, 1933

Only one noted today - dry timbered ridge; possibly had budding antlers. Six seen on 28th at 5500 in brush above timber and none showed evidence of horn growth.

Horse Mt., 4700-5200 ft., Humboldt Co., Calif.

~~77~~ June 1, 1933

Two seen on open ground away from timber on top of Horse Mt. near Cold Springs about 10:30 AM. No evidence of horns.

Coyote Peak, at 3000 ft., Humboldt Co., Calif.
June 14, 1933

Saw 3 today. They were feeding

Odocoileus (2)Schumme
1933

(Coyote Peak - June 14, Cont.)

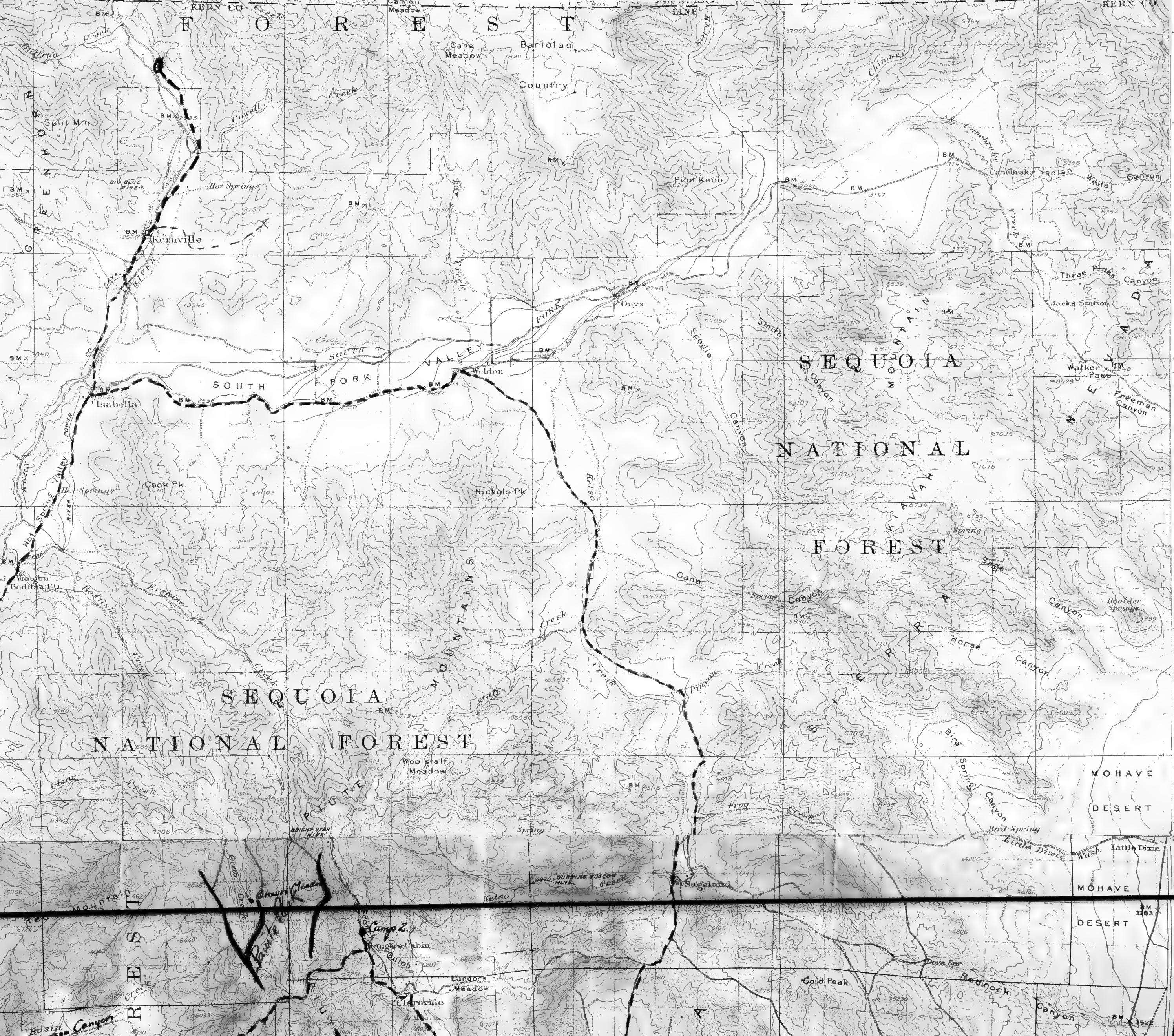
in an open glade at edge of timber. Their ears & tail were constantly moving & kept deer flies away. One appeared to be buck with mushroom antlers.

There seems, from evidence & reports, to be much hunting all year round. Game warden ranger informed us that natives were killing many deer all the time and vibrations were so frequent that no attempt was made to apprehend the offenders.

Several times at night (near midnight) an auto has driven along our side road with spot light playing on woods. Local sheepherder informed us that this was "jack-lighting" deer at night - a common practice.

Section 4
Itinerary and Narrative

Gilmore, R. M.
Walker Basin, Calif.
Oct. - Dec., 1933



F O R E S T

SEQUOIA

NATIONAL

FOREST

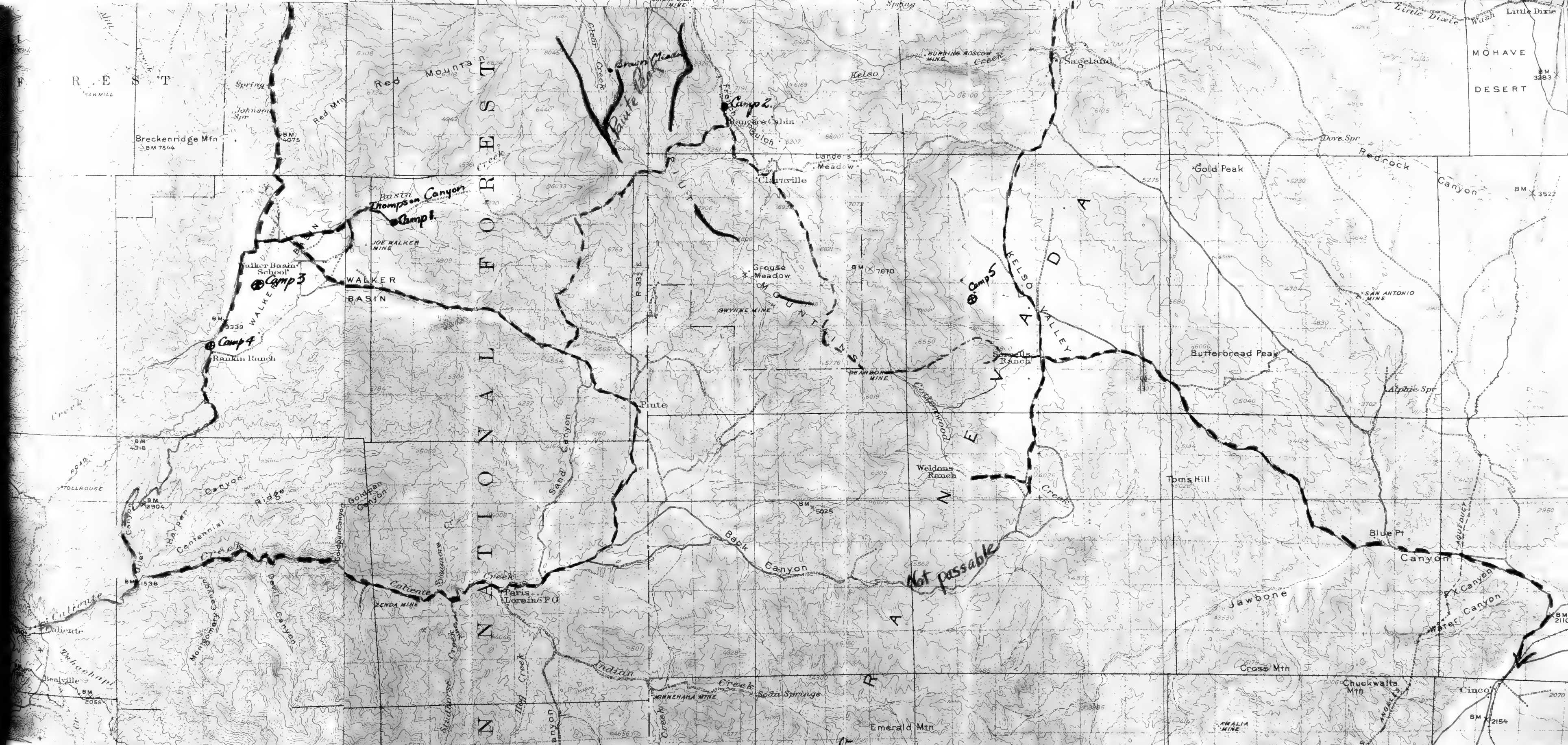
SEQUOIA
NATIONAL FOREST

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DESERT

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DESERT

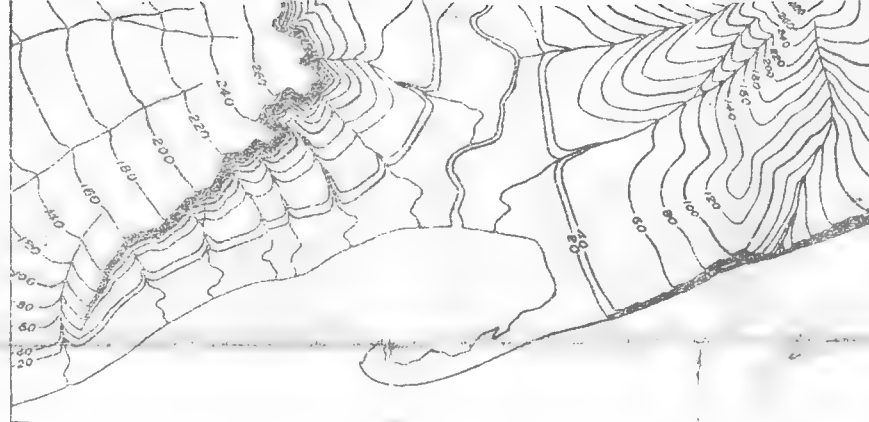


made on scales larger than $\frac{1}{62,500}$.

A topographic survey of Alaska has been in progress since 1898, and nearly 35 per cent of its area has now been mapped. About 10 per cent of the Territory has been covered by reconnaissance maps on a scale of $\frac{1}{625,000}$ or about 10 miles to an inch. Most of the remaining area surveyed in Alaska has been mapped on a scale of $\frac{1}{250,000}$ but about 3,500 square miles has been mapped on a scale of $\frac{1}{62,500}$.

A large part of the Hawaiian Islands has been surveyed, and the resulting maps are published on a scale of $\frac{1}{62,500}$.

The features shown on these maps may be arranged in three groups—(1) water, including seas, lakes, rivers, canals, swamps, and other bodies of water; (2) relief, including mountains, hills, valleys, and other features of the land surface; (3) culture (works of man), such as towns, cities, roads, railroads, and boundaries. The conventional signs used to represent these features are shown and explained below. Variations appear on some earlier maps, and additional features are represented on some special maps.



The sketch represents a river valley that lies between two hills. In the foreground is the sea, with a bay that is partly inclosed by a hooked sand bar. On each side of the valley is a terrace into which small streams have cut narrow gullies. The hill on the right has a rounded summit and gently sloping spurs separated by ravines. The spurs are truncated at their lower ends by a sea cliff. The hill at the left terminates abruptly at the valley in a steep scarp, from which it slopes

The topographic map is the base on which the geology and mineral resources of a quadrangle are represented, and the maps showing these features are bound together with a descriptive text to form a folio of the Geologic Atlas of the United States.

Index maps of each State showing the topographic maps and geologic folios published by the United States Geological Survey may be obtained free. Copies of the topographic maps may be obtained for 10 cents each, or in lots of 50 or more, either of the same or of different quadrangles, for 6 cents each. The geologic folios are sold for 25 cents or more each, the price depending on the size of the folio. A circular describing the folios will be sent on request.

Applications for maps or folios should be accompanied by cash, draft, or money order (not postage stamps) and should be addressed to

THE DIRECTOR,
United States Geological Survey,
Washington, D. C.

November, 1919.

CONVENTIONAL SIGNS

CULTURE (printed in black)

City or village	Roads and buildings	Ruins	Cliff dwelling	Metal road	Private or poor road	Trail or path	Railroads and stations	Electric railroad	Tunnel	Wharves	Breakwater and jetties	Bridges	Drawbridges	Ferry	Ford
Dam	Dam with rock	Canal lock	U.S. township and section lines and located corners	State line	County line	Civil township or district line	Reservation line	Land grant line	City, village, or borough line	Small park or cemetery line or primary traverse monument	Triangulation monument	U.S. mineral monument	Boundary monument		
Bench mark	Cemeteries	Church, school, coke ovens	Tanks and oil reservoirs	Oil wells	Mine or quarry	Prospect	Shaft	Mine tunnel	Mine tunnel showing direction	Lighthouse or beacon	Lighthouse	Life-saving station			

RELIEF (printed in brown)

Figures	Contours	Depression contours	Levee

WATER (printed in blue)

Streams	Falls and rapids	Intermittent streams and ditches	Canals or ditches	Aqueducts or waterpipes	Aqueduct tunnels	Lake or pond	Unsurveyed stream and abandoned canal

California

THE TOPOGRAPHIC MAPS OF THE UNITED STATES

The United States Geological Survey topographic atlas of the United States. This work is in progress since 1882, and more than 38 per cent of the area of the country, excluding outlying possessions, has been mapped. The areas mapped are widely distributed, each State being represented, as shown on the progress map, by an area of varying each annual report of the Director.

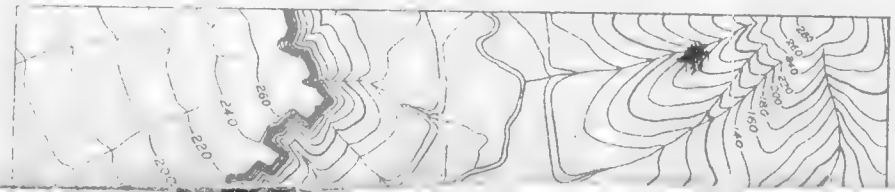
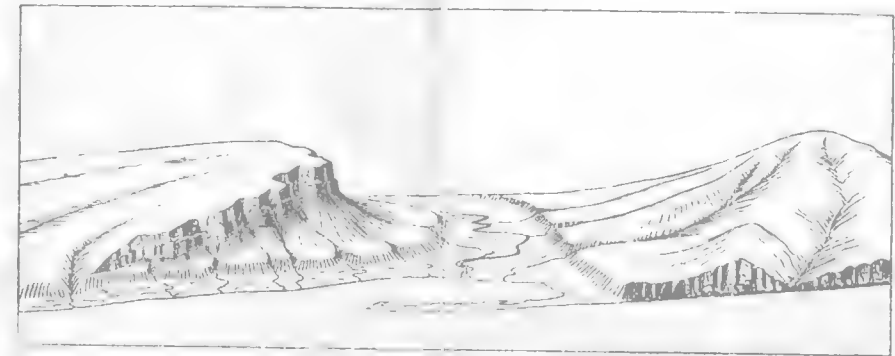
This atlas is being published in sheets of convenient size, about 16 by 20 inches. The terrain of each area of land represented on an atlas sheet is bounded by parallels and meridians and is called a *quadrangle*. The quadrangles mapped cover 1° of latitude by 1° of longitude, 30' of latitude by 30' of longitude, 15' of latitude by 15' of longitude, or smaller areas, the size of the area mapped depending on the scale used. Several scales are employed. The smallest scale, that used for quadrangles covering 1°, is 1:250,000, or very nearly 4 miles to an inch—that is, 4 linear miles on the ground is represented by 1 linear inch on the map. This scale is used for maps of the desert regions and some other parts of the far West. For the greater part of the country, which is mapped by quadrangles covering 30', a larger scale, 1:125,000, or about 2 miles to an inch, is employed. A still larger scale, 1:62,500, or about a mile to an inch, is used for quadrangles covering 15', the unit selected for mapping thickly settled or industrially important areas. A fourth scale, 1:31,250, or one-half mile to an inch, is employed for maps that are to be used in connection with irrigation or drainage, and a few maps of mining districts are published on still larger scales.

A topographic survey of Alaska has been in progress since 1898 and nearly 30 per cent of its entire area has now been mapped. One-third of the area mapped, or 10 per cent of the Territory, has been covered only by reconnaissance work, the results of which have been mapped on a scale of about 10 miles to an inch. The maps of nearly all the remaining two-thirds of the surveyed area have been published on a scale of 1:250,000, or about 4 miles to an inch. These maps are large, each representing 2° of latitude by 4° of longitude. A few

All water features are printed in *blue*, the smaller streams and canals in full blue lines and the larger streams, lakes, and the sea in blue water-lining. Intermittent streams—those whose beds are dry at least three months in the year—are shown by lines of dots and dashes.

Relief is shown by contour lines in *brown*. A contour on the ground passes through points that have the same altitude. One who follows a contour will go neither uphill nor downhill but on a level. The contour lines on the map show not only the shapes of the hills, mountains, and valleys but also their elevations. The line of the sea coast itself is a contour line, the datum or zero of elevation being mean sea level. The contour at, say, 20 feet above sea level would be the shore line if the sea were to rise or the land to sink 20 feet. On a gentle slope this contour is far from the present coast; on a steep slope it is near the coast. Where successive contour lines are far apart on the map they indicate a gentle slope; where they are close together they indicate a steep slope; and where they run together in one line they indicate a cliff.

The manner in which contour lines express altitude, form, and grade is shown in the figure below.



by a sea cliff. The hill on the left terminates abruptly in a steep scarp. It slopes gradually back at the scarp and forms an inclined table-land, which is by a few shallow gullies. On the map each of these is indicated, directly beneath its position in the contour lines.

The contour interval, or the vertical distance in feet between one contour and the next, is stated at the bottom of each sheet. This interval differs according to the character of the country mapped; in a flat country it may be as small as 5 feet, in a mountainous region it may be 250 feet. Certain contours, every fourth or fifth one, are made heavier than the others and are accompanied by figures stating elevation above sea level. The heights of many points, such as road corners, surfaces of lakes, and bench marks, are also given on the map in figures, which express the elevations to the foot only. More exact elevations of bench marks, geodetic coordinates of triangulation stations, are published in bulletins issued by the Geological Survey. A bulletin containing to any State may be had on application.

The works of man are shown in *black*, in which the lettering also is printed. Boundaries, such as those of county, city, land grant, township, or reservation, are shown by continuous or broken lines of different kinds and thicknesses. Public and through roads are shown by fine double lines; private and poor roads by dashed double lines; trails by single lines.

Each quadrangle mapped for the topographic atlas is designated by the name of a principal town or of some prominent natural feature within the quadrangle, and on the maps are printed the names of adjoining quadrangles. The sheets are sold at 10 cents each in lots of less than 50 copies or at 6 cents each in lots of 50 or more copies of the same or of different sheets.

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Although some areas have been surveyed and published on special scales, the standard topographic survey of the United States has been made on the resulting maps have been published on the following types, differentiated according to their public importance—relating to irrigation, or reclamation, or other public interest, or sufficient accuracy to be used in the publication of maps on a scale of about 1 inch to one-half mile, or 1, 5, or 10 feet.

1. Surveys of areas in which the public importance—relating to irrigation, or reclamation, or other public interest, or sufficient accuracy to be used in the publication of maps on a scale of about 1 inch to one-half mile, or 1, 5, or 10 feet.

2. Surveys of areas in which the public importance, such as most of the country, and its tributaries, are made with a contour interval of 100 feet.

3. Surveys of areas in which the public importance, such as most of the country, and its tributaries, are made with a contour interval of 100 feet.

A topographic survey of Alaska has been in progress since 1898, and nearly 30 per cent of its entire area has now been mapped.

	Barin Creek 3900 ft. Walker Basin	French Gulch 700 ft. Walker Basin	French Gulch 700 ft. Walker Basin	Sw. part Walker Basin Kern Co. Calif.	Rankin Ranch 3300 ft. Walker Basin, Nov. 11-20	Kelso Jadley	Total
Spotted Towhee	III	8	III	3	III	5	16
Brewer Sparrow	I	I					1
Pileolated Warbler	I	I					1
Western Bluebird	II	I		I	I		4
White Cr. Sparrow	II	2	I	I	I	I	5
Audubon Warbler	II	2	I	II	2	I	6
Fox Sparrow	III	3	III	8	I	I	13
Calif. Jay	III	7		I	II	2	16
Brown Towhee	III	4		I	III	7	19
Band Tailed Pigeon	I	I					1
Cedar Waxwing	II	2	II	3			5
Red Breasted Sapsucker	II	2	I	I		I	4
Killdeer	I	I					1
Green Backed Goldfinch	II	2	I	I	I	I	5
Junco	III	8	III	7	III	8	27
Golden Billed Nuthatch	III	3	III	4	II	5	12
Plain Titmouse	III	6	I	I	II	7	14
Samuel Flycatcher	I	I					1
Cooper Hawk	I	I					1
Sharp Shinned Hawk	II	2					2
Hairy Woodpecker	III	3	I	I			4
Song Sparrow	II	2		I	III	8	11
Bush Tit	II	2			II	6	9
Vesper Sparrow	I	I					1
Lawrence Gold Finch	I	I					1
Red Shafted Flicker	I	I		I			2
Ruby Cr. Kinglet	I	I					1
Sparrow sp?	II	2			II	2	4
Willow Woodpecker	I	I			I	I	2
Rock Sparrow	II	2					2
Towhee	III	4					4
Allen Hummer	I	I					1
Warbling Vireo	I	I					1
Rock Wren	I	I					1
Meadow Lark	I	I	II	2			3
Nuttall Woodpecker	I	I		I	I	I	3
San Joaquin Wren	I	I					1
Belrock Wren	I	I			II	2	4
Snatchers	I	I			I	I	3
Valley Quail	I	I					1
Rufous Warbler	II	2					2
Hermit Thrush	III	2	III	4	I	I	8
Golden Cr. Sparrow	I	I	II	2	I	I	4
Stellar Jay	II	2	III	6			8

	Basin Creek 3900 ft. Walker Basin.	French Gulch 6700 ft. Punk Mts.	SW part Walker Basin Kern Co., Calif.	Rankin Ranch 3300 ft. Walker Basin Kern Co. Nov. 11-20	Kelso Valley Nov. 22-4.	Total	
Red Naped Sapsucker	11	2				2	45
Williamson Sapsucker	1	1	1			2	46
Sparrow Hawk	1	1			1 1	2	47
House Wren	1	1	1		1 1	3	48
Mt. Quail	1	1				1	49
Law's Woodpecker	1	1				1	50
Pine Siskin	1	1		1	1	2	51
Calif. Purple Finch	111	3	1			4	52
Robin	1	1	11	2		3	53
Redwing Blackbird	111	3	111	3	111 111 111 15	27	54
	111						
Raven	1	1	1			1	55
Red Tailed Hawk	1	1				1	56
Cassin Finch	11	2				2	57
Mt. Chickadee	11	2				2	58
Calif. Woodpecker	1	1				1	59
Pygmy Nuthatch	111	4				4	60
Golden Oak Kinglet	111	3				3	61
Evening Grosbeak	111	3				3	62
Varied Thrush	11	2				2	63
Robin	1	1				1	64
Green Tailed Towhee	1	1				1	65
Red Breasted Nuthatch	1	1				1	66
Mt. Bluebird	1	1				1	67
Chipping Sparrow	1	1				1	68
Abert's Wren	1	1				1	69
Jack Snipe	1	1				1	70
Brown Creeper	1	1				1	71
White Headed Woodpecker	1	1				1	72
		81					
Sceloporus	11111					7	
Phrynosoma	11					2	
Uta	11	1	1			3	
Spionostus	11					2	
Pituophis	11					2	
Phamnotus	1					1	
Rana					111	3	
Bufo	11					2	
Hyla	1111					4	
	22	1					

	Barin Creek 3900 ft. Walker Basin	French Sylvan 6700 ft. Walker Mts.	Sw. part Walker Basin, Kern Co. Calif.	Rankin Ranch 3300 ft. Walker Basin, Kern Co. Nov. 11-20	Kelso Valley Nov. 22-Dec 9.	Total
<i>Sylvilagus auduboni</i>	III 1	(6)	1	0	0 1	7
<i>Sciurus griseus</i>	II	2	II	2	0	4
<i>Thomomys bottae</i>	III III	10	III III	10	III 1 6	32
<i>Neotoma fuscipes</i>	III III III	13	III	5	III 1 6 11	26
<i>Dipodomys agilis</i>	III III III III	20	0	III III	10 0 1	31
<i>Peromyscus m. sonoriensis</i>	III III III	13	III 1	6	III 3 1 1 III	26
<i>Microtus</i>	III III III	13	III III III	15	1 1 IIII 4	33
<i>Onychomys californicus</i>	III III	10	0	—	II 2	12
<i>Reithrodontomys megalotis</i>	III III III	13	0	1	1	14
<i>Peromyscus crinitis</i> (?)	III	3	0	0	0	3
<i>Citellus beecheyi</i>	II	2	1	1	0	3
<i>Eutamias merriami kernensis</i>	III III	9	III III	10	1 1 II	22
<i>Peromyscus truei</i>	III III	10	0	0	III III 11	28
<i>Lepus californicus</i>	I	1	0	0	0 IIII	5
<i>Sorex vagrans</i>	IIII	4	0 1	1	III 1 6 1	12
<i>Urotrichus hesperus</i>	II	2	0	0	0	2
<i>Onychomys</i>	I	1	0	0	0 1	4
(145)						

<i>Peromyscus boyleyi</i>	0	III	9	III 1	4 III IIII	9	22
<i>Sylvilagus bachmani</i>	0	I	1	0	0 III	3	4
<i>Eutamias quadrivittatus</i>	0	III III III	14	0	0	0	14

(73)

<i>Scapanus latimanus</i>	III 1	6	1	1	0	7
<i>Onychomys leucogaster</i>	II	2	0	0	0	2
<i>Neotoma</i> ?	.	.	.	.	.	1

(29)

(34)

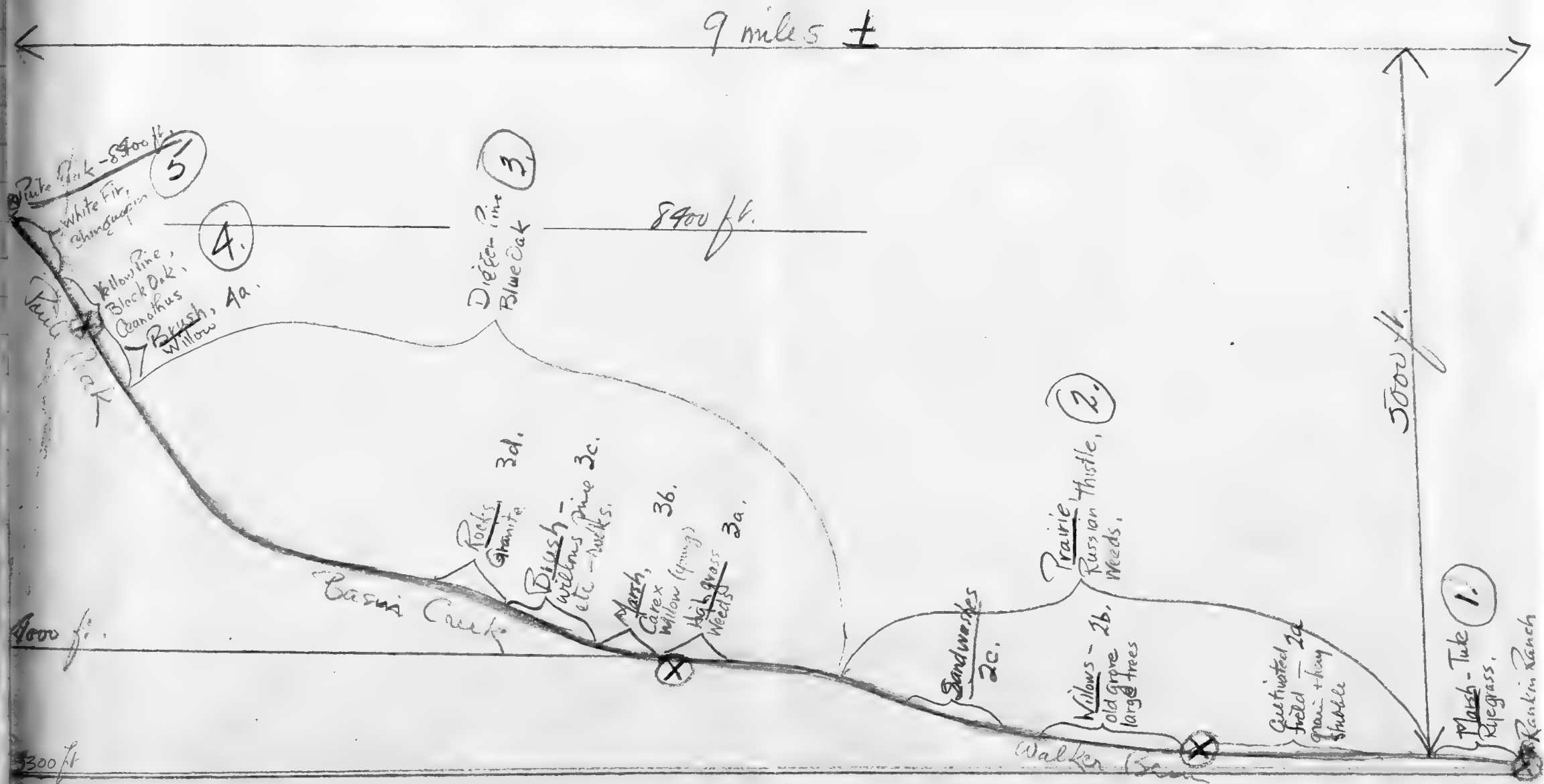
<i>Felis concolor</i>	.	.	.	.	.	.	1
<i>Edoia</i>	.	.	.	.	.	.	2
<i>Neotoma lepida</i>	III III III	15	15	15	15	15	15
<i>Ammospermophilus</i>	III III	10	10	10	10	10	10
<i>Dipodomys nevadensis</i>	III III III III	20	20	20	20	20	20
<i>Spilogale gracilis</i>	II	2	2	2	2	2	2
<i>Thomomys perpallidus</i> (?)	III 1	6	6	6	6	6	6

(70)

	(Willows) SW part Walker Basin, 3350 ft., Kern Co., (Nov. 1-8) Calif.	Rankin Ranch, 3300 ft., W. D. Kern Co. (Nov. 1-10) Calif.	Delgo Valley (Nov. 22-4)	Total
Horned Lark	||||	||||	3	40
Savannah Sparrow	||||			4
Shrike	||		1	3
Pipit	|			1
Pigeon Hawk	|			1
Brewer Blackbird	|			1
Sage Sparrow	|	||||	12	18
Black Throate		|		1
Say Phoebe	(75)	|		1
Virginia Rail	||||	4		4
Wyle Wren	||||	4		4
Screech Owl	|	|		1
House Wren	|	|		1
Barn Owl	|	|		1
Rough-legged Hawk		(81)	1	1
Cactus Woodpecker		"	2	2
Cactus Wren		"	2	2
Road Runner		|	1	1
Pyrrhuloxia		|	1	1
Cassidix		|	1	1

(50)

Associations of Walker Basin



Associations from SW end Walker Basin - northeast to top of Pike Peak - looking southeast. Vertical scale exaggerated.

(X) = camps made.

4500 ft.

4000 ft.

digger pine - blue oak.

scattered digger pine - blue oak



3900 ft.

Basin Creek
Pujarian
Wetlands

rocks

rocks - sand - gravel

ROAD

X 4000 ft.

to Walker Basin

ROAD →

to Paiute Peak
part. impassible
for cars.

Sand - rabbit brush

wash

rocky-brushy
canyon.

3900 ft.
grass - pasture
rabbit brush

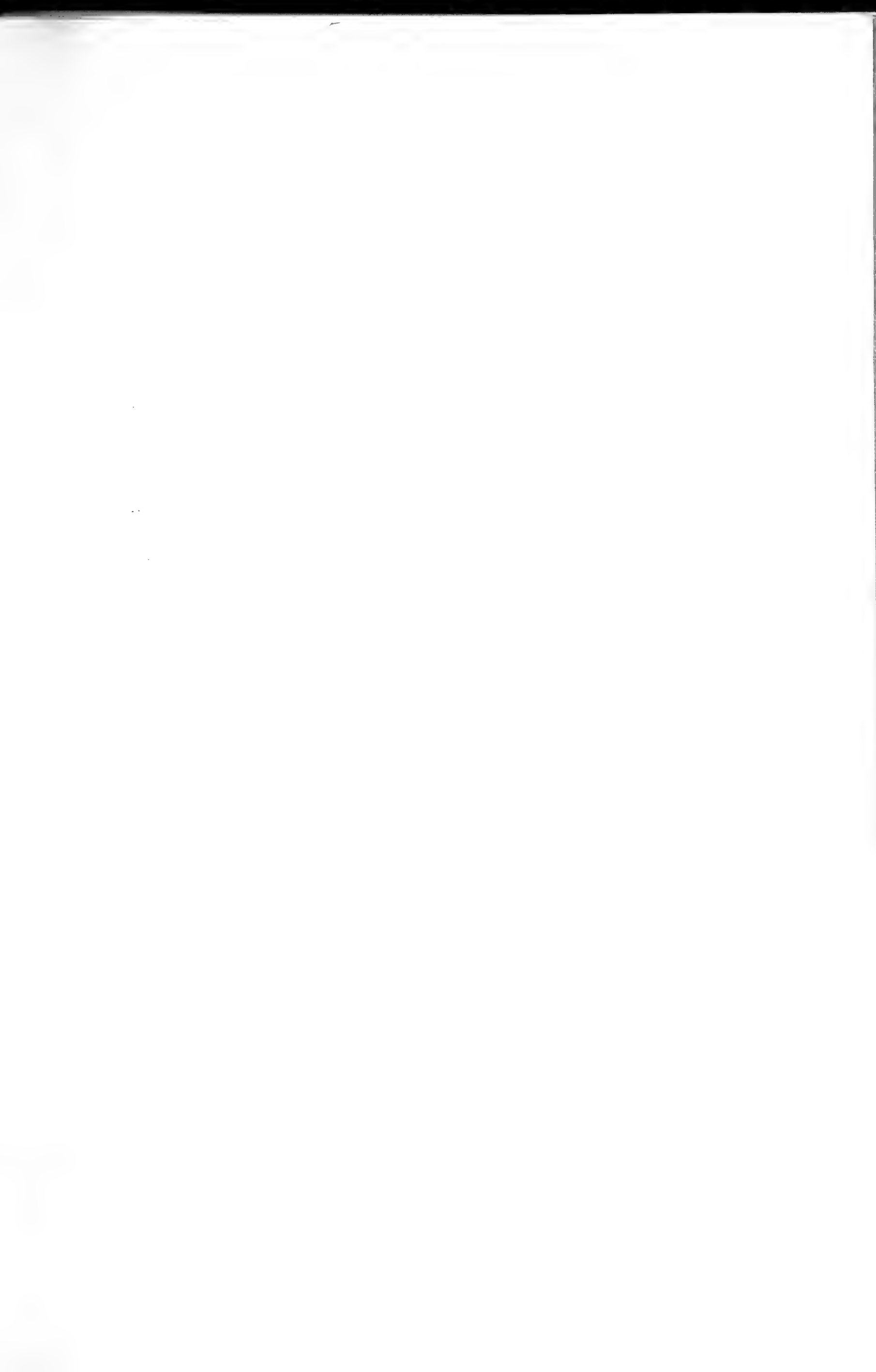
Camp
Grass
Spring
pushes
Sand-gravel-brush-rocks

4000 ft.

digger pine - blue oak

4500 ft.

Thompson Canyon
Walker Basin



Note -
The Manual Measurements include
an "ear from notch" & "from throat
following the nose ear from crown
Measurement.

Wear, and other notes in every specimen
are generally included in the data
of the specimen list.

Classification of birds should be
included in the data of the specimen
in the specimen list.

There are no "specimen accounts" in
birds - a bird census also taken on
almost every day and notes, specimens
& each (from) case included in
the census.

They are included in the
specimen list "up to 11. 11. 11."
Insignificant to that date, they are
included in the general notes.

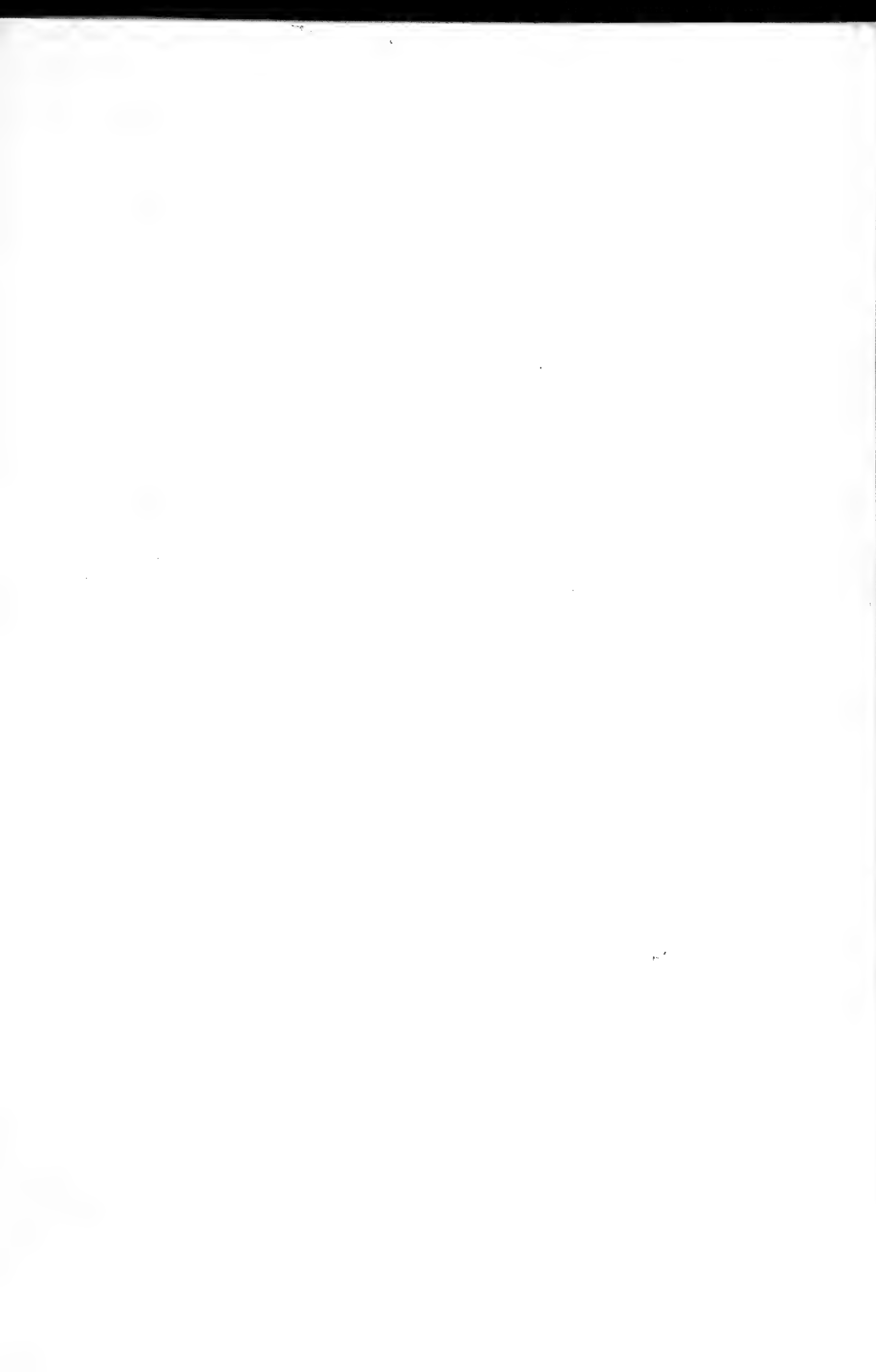
There are specimen accounts in almost
every genus of mammals.

After Springs, New River, New Co., Calif

Oct. 6, 1933

Belmont
1933

Stopped here tonight - rather a
mile south on the Hualapai Road.
Left Berkeley at 6:30 PM and
drove steadily thru the ~~valley~~ San
Joaquin Valley. The day was hot and
the engine of the Dodge became hot
so I stopped to replace the gas in
the carburetor and had lunch & put
driving over 30-35 mph.
Near Bakerfield we saw a bear
and lost sight of him. The chief
pointed across the road in steam
& I tried to strengthen.
Brought out a deer in
Bakerfield. After we started & drove
east toward the New River canyon,
the shot started & we had a clear
moon light night.
The New River Canyon begins
about 25 miles east of Bakerfield
It is a narrow steep rocky canyon
with scattered growth of bushes. There
are two main faults near the mouth. We
crossed a couple near the mouth.
The rest of the almost level
rock bank adjacent to the road



Belmont
1933

with surprising agility.
Heek managed to night which
gave seed before morning.

J. Rice Thompson Canyon, 3900 ft.
Walker River, Kern Co., Calif.
October 7, 1933.

At last settled in permanent camp
after trying day of accommodation,
in tenting of ranchers, fruitcages
and beyond of a few rabbits.
After making short night camp, in
dusk up a narrow canyon for
distance until we came to
small clearing in the hills. Here at
the first turn of trailhead
the great turn of trailhead & the
Henderson Ranger Station. The turn
has several times & one alone
which will only candy and
traces - it is not a first prize
they say that this turn road &
the capital of Kern Co.!!
Mr. Henderson, Kern, also away
as we continued Mr. Moberg, the
constant runner. From here also



Wilson
1933

It is a map of the Laguna Valley
first (I think) made by the
a part), named after the
Laguna around Buckridge Mt. &
the west, & get some things in
the ranches in Laguna.
From the ranch station we
drove about 4 miles up a long
grade to the north of where
Laguna. Surrounding country is
good upper timber with blue
oak & sugar pine predominating
in the top of Buckridge Mt. In
the west are some old
Laguna stands of timber such
as white pine (sugar pine) and
some fir (spruce). The pine
this part of the road showed
some variation.
Laguna River, the south
of the river showed sandy
by study that with a large
canyon & otherwise we are
in the center. The station is
the north end, and the canyon
is the south end, even to the
the street in the station. He



Johnson
1933

Now there are a dozen ranches
in the valley & their property
is partitioned all over.
There are three arms to the
Basin - the north & smallest
arm where the Rankin Ranch is
located; the east, or long narrow
arm that leads to the San
in the White Road; and the
north east arm, Thompson Canyon,
which runs up with the White
Mts.

The east arm is a narrow
arm, essentially a long canyon
with a sandy, gravelly wash in
the center & meadows at the
sides and apparently a
once there & back, with
higher mesas - hills about the
sides of the canyon. Andrew the
owner of the property (as is the
owner of the San & Thompson
didn't want no on his land.
Next we visited Rankin Canyon
who was earlier. Next Rankin William
, a headed old-timer who had a
couple of good looking daughters &



Belmont
1933

was also corded. From here we
reached former & camp at
the Hot Springs in Thompson Canyon
near the Hot Springs. He has a
couple of ^{old} effects & a garden near
on the adjacent ^{old} spring. This is in
the south side of the canyon
elevation 3900 ft. Basin Creek
flows on the north side of the
canyon. All around no good
upper stream connection with
canyon. That is rocky
riversides.
The floor of the valley canyon
has scattered oaks, sugar pines
& yew water, black locust, with
& cottonwood. The oaks are
scarcely abundant with blue oak
& sugar pine. There are several
former head canyons in Thompson
Canyon & these have within - basin
associations in the bottom, including
by old points & wood rats.
The camp is located at a
old spring which is surrounded
for a dense association of shrubs
grass & sedge as well as within
thicket.

Belmont
1933

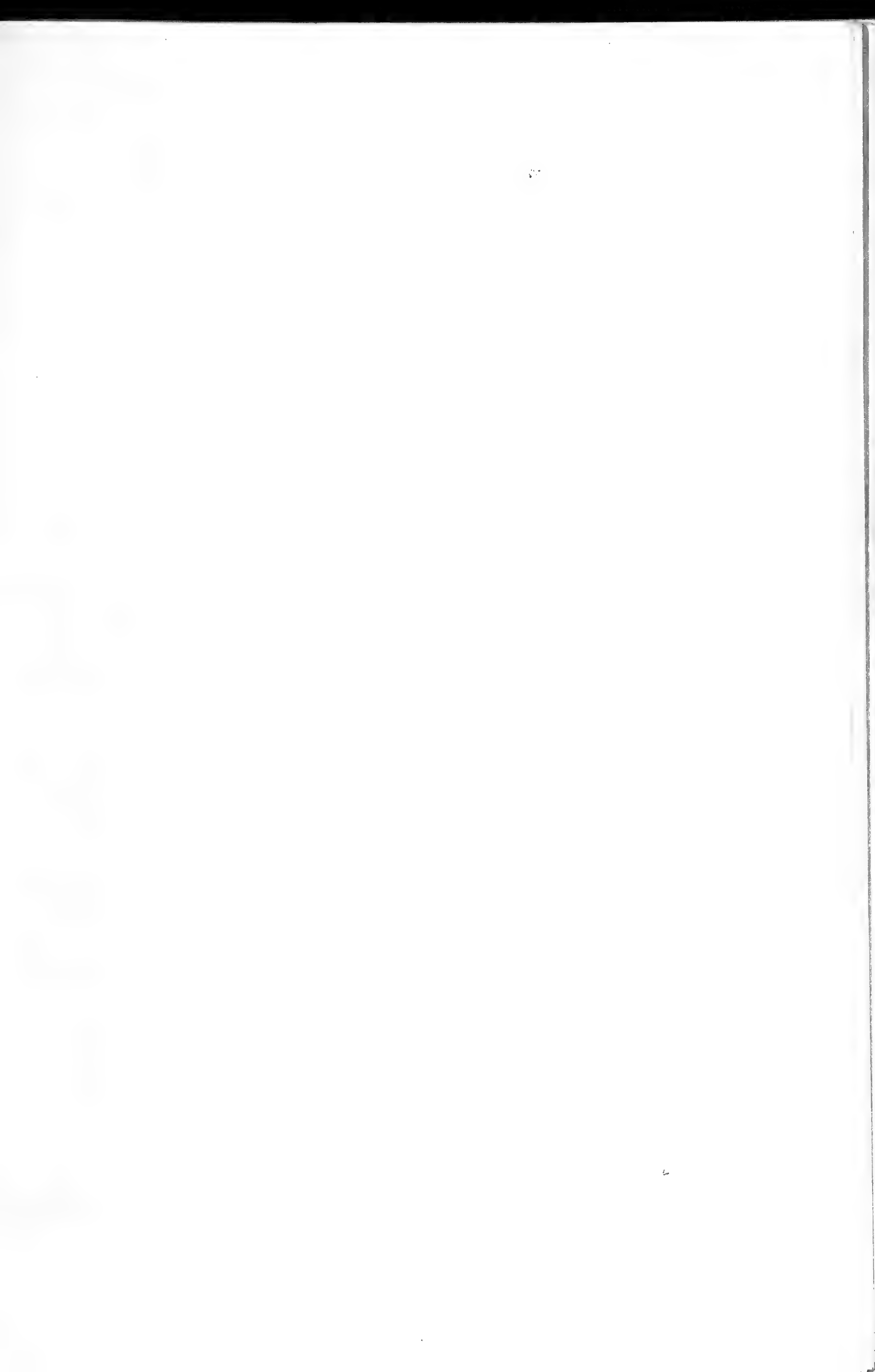
Thompson Canyon, 3900 ft., Walter Dean
Farm Co., Calif. October 8, 1933

Look a week up Thompson Canyon
today. Noted the following notes -

1. *Reflexaria* - damp grass, willows, some open - roads + meadows
2. Grass pasture land - soil, no brush
3. Sand-gravel - Rabbit brush areas
4. Rocky - *ceanothus* brush, willows
5. Rocks; dagger pine, blue oak - mainly on hill sides.
6. Rocks alone.

Boon Creek on the north side
of the canyon - forests separate
as the opening + exposed areas.
The floor of the valley is mainly
the same as the hill sides, namely
dagger pine, blue oak, oaks.
There is some fine grass patches
along + some open-grass
works with rabbit brush +
grass with a scattering of trees.
At the head of the canyon
are *ceanothus* brush, willows +
rock associations.

Thompson Canyon contains
Boon Creek. Camp is 1 mile
N.E. of Walter Mine



June
 1933

A tree hole and some along
 all the associations noted:

Dry stream 2
 Reddish 6 F (Lance?)
 Western Bluebird 12 F
 Flicker 8
 C. Jay 5
 Cedar Shrike 1
 Audubon Warbler 2
 Spotted Towhee 10 F
 Brown Towhee 2
 Junco 5

White Crowned Sparrow 15 F
 Thrasher? 1

Chipping Sparrow 5 F
 Unknown 15 F

MacKaye went down canyon today
 & met & talked with Vancor John
 Cannon & Paden. All outside
 the car one black & Band Tailed
 Vagaries near the mouth

Saw a few bats this evening -
 appear to be *Hipoboscids*.

Found out that the gas valve
 wasn't work - neither would the



Belmont
1933

After conference. After conference the
statements - find new statements & a
new generator - other same must.
Underneath we could not work
after dark - which came at 6:30
found out that we had no codes
to the posts - that's nothing.

Heard three volley of rifle shots
from the hills today - the deer hunter
must be seeing some animals.
Fanger thinking out that they fear
deer the hole has taken shot of
the hunter this season.

Barnes & wife arrive tonight
& set up camp by sunset & sun.

Last night was wet & clear -
some clouds today.

Set out 15 traps this morning
& sandy-bush area near camp.
The *Peromyscus* *leucogaster* *leucogaster*
with *Peromyscus* *leucogaster* *leucogaster*
also *Peromyscus* *leucogaster* *leucogaster*

Thompson Canyon, 3900 ft., Walker Basin
Thompson Co., Cal., Oct. 9, 1933.
The catch from our trap yesterday
may all die - no hunting. Some
+ wife explored the canyon + made
bird census + plant collections.

Belmont
1933

Oct. 10, 1933

Worked all morning in the trap
catches. Last night Mackay +
I hunted with each light for 2
hours - nothing. A ~~small~~ ^{sericeus}
owl (and family?) was active
in the light + within two hours
camp but we failed to locate him.

At noon drove to Caliente -
15 miles from the center of Walker
Basin. To get some white gas
in the station. The point from
of the basin is about 4000 ft.
At the other side. Drove down
to 1570 at Caliente. All the
point higher than the rim of
the basin. A number of
semi-barren mountains. Apparently
all except a few but tops are covered
with dagger pine. ~~Leucis edgewisei~~
were common on the south rim.

See Page 942.

Photo concerning specimen no. 3155 - *Uta stansburiana* macleayi.

Because Walker Basin is a new station for the buffer and

because the above picked up by Glenmore were more like

the above *Uta macleayi* from the San program than from the

desert above of the Sierra (U.S. map) I engaged of McLean if

it was possible that his *Uta* actually caught the buffer

in Walker Basin. I thought it likely that the specimen came

from the San program Valley. But on November 22, 1937, McLean

explained and told me that the *Uta* (he did not give the name)

had just in his trapping record that he caught two that

from 3 miles west of Miller Ranch in Walker Basin

on March 27, and May 18, 1933 respectively. It was not possible

to determine which one the specimen is, but there is little

doubt that if specimens one of these taken by the *Uta*

in Walker Basin.

Left D. Brewer Mo. 22, 1937

Belmont
1933

In returning, noted several large
flocks of Brewer Blackbirds in the
of the valley. Also 2 Sparrow Hawks,
Sycamores & Buckeyes were noted
in the canyons of the Caliente
(south) side of the Basin. There
were yet in the Basin.

A heavy downpour commenced
about 5:30 & was over by 5:45
P.M. It flooded the road out
but otherwise there was little rain.

During the downpour I ran
to find the Motel Ranch in
the NW end of the Basin. In the
highway were hanging some carcasses
just by the plate trougher foot
cinder. They were: 4 coyotes, 3
babcats, 1 gray fox. The

hedge, Jakes, Mills, etc. clear
that killing & trapping the predators
alters the game animals &
increase & decrease a balance in
the cattle ranges & pastures. The
highly resented the intrusion of the
state trapper who, I understand,
was sent here by McLean.

(note on
opposite
page)

Palmer
1933

Thompson Canyon, 3900 ft., Jackson Basin,
Ken Co., Calif. October 11, 1933

Camp the only slightly rising mite
last night. Slightly due notes were
heard at all hours in the least
million there around camp. and
a low cooing. voiced in positions
in early morning.

No catch in traps as last a
you live up in the rocks, grow &
damp when can't move. Set a
you gather traps in a dry meadow.
Set a few horn sides up to the
crest of the north ridge & then down

toward the head of the canyon
thence back to camp along lower
creek. Noted two *Amus cambridgei*
on *mammophila* on top of the ridge
birds were scarce.

Alpestris (sp.?)

Early. Jay III III

Alpestris III

Red faced Hawk

Thrush June III III

Wood pecker (sp.?)

Blackbird III III F

Aurantiacanthus III

Chrysomitris III

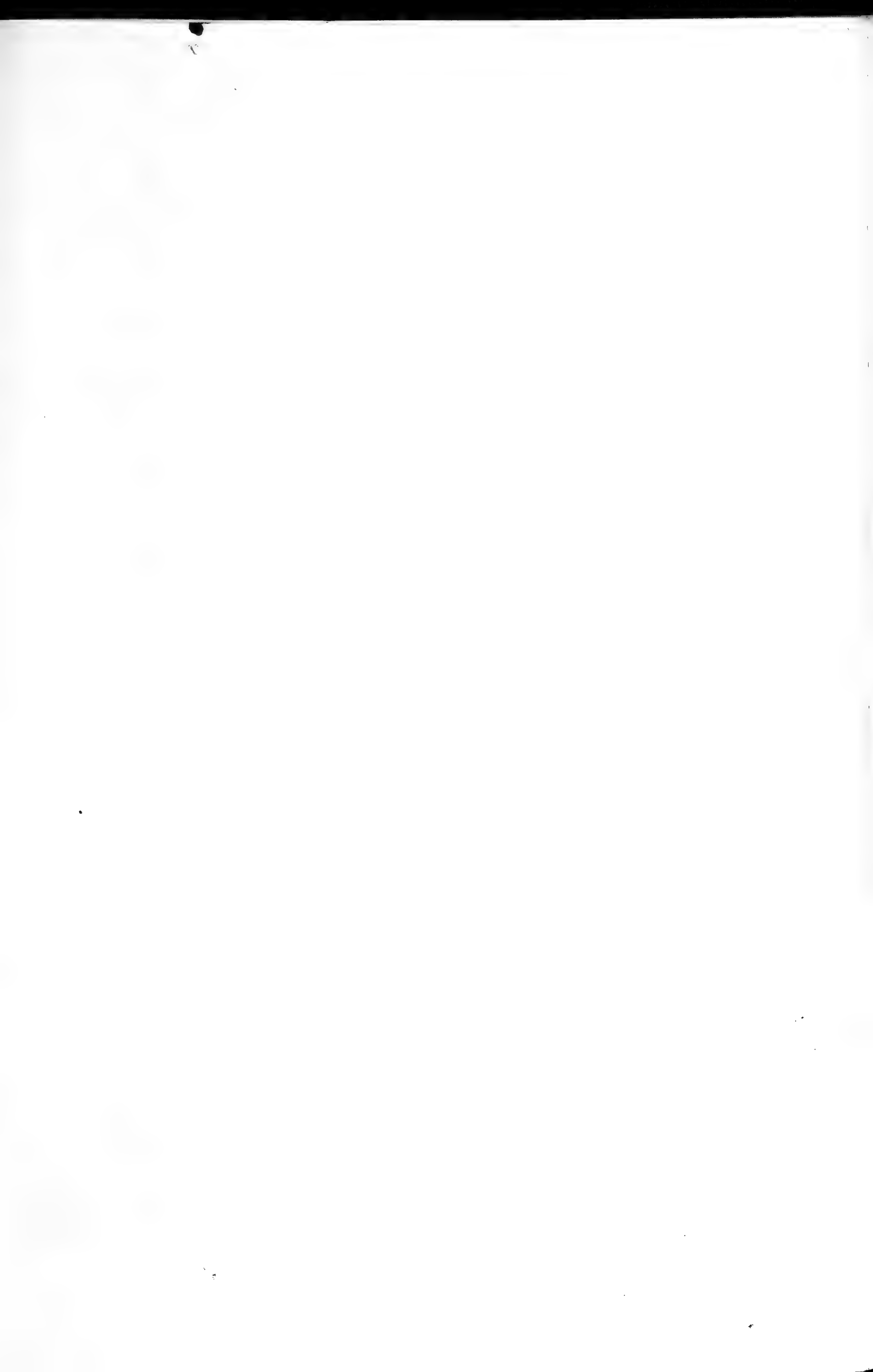
White crowned sparrow

October 1933

Noted many small checked lizards (genus *Uta*) on the crest of the ridge. The same kind (evidently) is common on the valley floor; one fell into the water bucket from a tree above & we feel on my cap while skimming in the fruit. Broadcast prey all day. Bannockburn at noon - loaded for Deer Valley via Route 1 - Teho Valley. Noted ~~gopher~~ workings when up on the hill sides.

October 12, 1933

Cold mite - heavy dew. About 3 AM that ~~the~~ sun ~~had~~ had started up his countering again. With the light from a flash light & a warning $\frac{3}{4}$ inch of stalked around the fields & trees from where his dove had left her hand. He gave me no more clues & all I got was a couple of seed feet. You may trap him about 6:00 AM good catch! Accompanied a flock of a dozen or so Sanctus in the western thicket near camp. The young took refuge in a hole in the oak. There is a white flock of 20 F. Carl. I was taking in the 1933 &



Thompson Canyon, 3400 ft., Jackson Basin,
Horn Co., Calif., Oct. 12, 1933 (cont.)
Willow thicket year by. I found them all
the time.

I thought I saw a silver tit in the
Willow patch - long tail was noted
skinned yesterday & today's catch
at the lake found 8 Aug. 4:5 P.M.

This evening in the quarry area
I saw what apparently were three
song sparrows. They fly up suddenly & take
refuge in the willow thicket. Note
the flock of quail again.

Went to and not common & seen
to fly in 15-20 minutes only. All
sighted there seen (the above a dozen
since arriving here) seem to be typical
the other apparently also a flycatcher.

October 13, 1933

Took a walk up the canyon today
from the spring passage area, grass
area; willow in dry wash, halberd
bush sandy fields and dry dunes
give the oak, rocky outcrops.

Shipping Sparrow 4
Down Backed Woodpecker 3
White Crowned Sparrow 35
For Sparrow 2
Caly Day 11

Thompson Canyon, 3900 ft., Walker Basin,
New Co. Calif. Dec. 13, 1933

Checker 3

Quartz, Calc., 20 F

Blue mud 4

Deeper than 1

Under water 1

Jack rabbit 1

Time - 2 hours - day clear & hot.
8:00 AM - 10:00 AM.

Green-backed Goldfinches, White

Coated sparrows have common feathers

in the last part appear. Also

also, the head & are 7 under

& about are for sparrows, strong

sparrows. There are numerous.

Two strong sparrows have been

trapped in the grass and willow

they are very shy & feed individually

on the ground.

All make much noise. There

by camp at 2:00 P.M. The white

things back was fairly scarce.

disturbances to the commonest

thinner about camp due to dust,

to the abundance of grass. They appear

to be everywhere except in the rocks.

Young & juveniles are common. There

is the effect of getting caught

Oct. 13, 1933 (cont.)

Johnson
1933

in the traps soon after sundown, and
up to bed time lay & had sleep &
that's about camp we found &
shape. There are tiny young were
discovered in the tent yesterday.
Then questioning was highly audible
but how they got here remains a
mystery unless we set our tent or
a spot & the mother has left her
load & shift for themselves. The
adult female was then trapped & was
found to be heavily pregnant in all
stages. The males have been off
either. I have seen several
during day time while watching the
the grass
The gophers are moving, many
being taken with part of the body
dark & the other reddish brown.
Some are entirely one or the other.
I have noted no former slants,
Backbands, nor slanted bands up
the canyon the they are common
on the floor of the basin. Band-tails
are seen like not seen & come up the
canyon as far as this camp. The they
are over down a half mile or so.

October 17, 1933

Thompson Canyon, 3900 ft., Walker River;

October 17, 1933

Many specimens today - about the
two from 9 AM - 5 PM & it but
nothing.

A day from week this morning up
the escape area + meadows as well
as adjacent their ground - produced the
following results - 8:00 - 5:30 AM - not
White Crowned Sparrows 13
Bluebirds 8

Sparrows 1 (sp. ? acc no. 1906)
Early Crowned Night!

Blue Backed Goldfinch (M) 5

Two Sparrows 11 (often probably confused
with Song Sparrows - with a looking
on the bridge of the willows).
Sparrows 5
Unknown 1

This evening a Red Tailed Hawk and
Copper Hawk flew over the canyon
about 5:30 P.M.

Heard not heard again but not
not close.



Adams
1933

Thompson Canyon, 3900 ft., White River, Ken
Co., Calif. Delta 15, 1933

Skinned all day - still have a few left
left over from tomorrow - then taken care of
today and as it was Sunday there were
lots of hunters out. Made a big
5 point buck on an adjacent ridge while
on a long hunt. Got lots of good birds. Saw
no bats tonight - found the overhang again
also one coyote.

Delta 16, 1933

Woke up about 5:00 AM. Saw my short
taper and then ~~that~~ hiked down River
Creek onto the floor of White River
Canyon - saw 3 birds in the foothills

Raven 3
Western Gull 16
Juncos 17
Band Tailed Pigeons 50+ (two large flocks, 1 pair)
Hairy Woodpecker 1
Canyon Wren 1
Sharp Shinned Hawk 2
White Crowned Sparrow 15-20
Hermit Thrush 2
Cay. Jay 15
Shrike 8
Green-backed Goldfinch 7
Bluebird 9
Downy Woodpecker 2 (first seen)
Delta 15, 1933



Johnson
1933

Thompson Canyon, 3900 ft., Walter Basin, New Mexico, July, Oct 16, 1933 (cont.)

Golden Eagle, 1 (hung in old cabin)
 Barn Swallow 2
 Spotted Towhee 5
 House Finch 3
 Ruby Crowned Kinglet 3
 Unknown 15

Sybil King 1
 " "
 Chipping 17
 Sceloporus 5

Small lizard & young Sceloporus? etc?

Hot day - June 8-11 AM. Distance, 6 mi.

Two birds were seen on the floor of the basin.
 Spent about 1/2 hour in the afternoon.
 Nothing - no more specimens in evening
 catch in the traps.
 Shot a dove but its condition was so
 bad and there were so many other birds
 to put up that I discarded it as a specimen.

October 17, 1933

Run trap line + set a new line of
 had closing net traps up in a twinkling,
 rocky side canyon for chipmunks.
 Brown Towhee, Spotted Towhee, White
 Crowned Sparrows and Blue Jays on



Feb 1933

Thompson Canyon, 3900 ft., Walker Basin,
New Co., Calif., Oct. 7, 1933 (cont.)

common in the willow brush of this
canyon bottom. There is orange water
in one place. All these forms seem
to roost at night in the willows. They
don't also frequent & many other
species in small numbers.
Thackray shot a Golden-Crowned
Sparrow this morning out of a flock
of White-crowns. Perhaps there are
more Golden-crowns in the flocks
and we have failed to recognize
them.

Saw two Robins fly overhead
this morning. They sat in the dense
willow thicket & then came over
plainly heard. The red breast &
large identified them in the air.
Saw flocks of either a Gray Jay
or a young Coyote up the above-
mentioned canyon. However, any
sign of evidence is highly scarce
Thackray has been getting a
lot of good birds and I have
seen. Evidently this is a good
place - according to cover of all
sorts as well as water.



Thompson Canyon, 3900 ft., Weber Basin,
Hem Co., Calif., Oct. 18, 1933

Belmont
1933

Looked them up some rocky narrow
canyon where I set the chipmunk traps
then trap yield was poor - area so trapped
out. When the apparently rock laundries
supply of rocks is diminishing & the
minerals occur to be exterminated in the
valley thicket.

Saw a flock of Mountain Quail at
the edge of water in the canyon -
also many (large) Brown Towhees and
Spotted Towhees. Many White Crows also
present.

A pair of Stellar Jays came by the
camp about noon - headed toward the
mountain. They were first noticed as
they called from a neighboring pine.
"Muckage" (our word for chattering)
big buzzards "on the adjacent ridge".
They fed white on them & were flying
low. Crows??

In evening saw a flock of Blackbirds
forming flocks, fed up the canyon in
a compact unit. Probably 20. They
were a change but weren't ours.
Several Ravens seen today but none
close enough to shoot. Should a storm
set this evening. Warm day.

October 1933

Thompson Canyon, 3400 ft. White River
Oct. 19, 1933

Sunday at the planning table - wrote
over ridge at head of canyon - saw very
few birds. Canyon White no common
in the ridges - noted an occasional
cottonwood & buckeye in Basin Creek.
Cottontails & chipmunks are apparently
more common than they appear.
A Mr. Stettin, of Auburn, Neb.
called today - said he knew Condors,
was a stud in the faunas but they
were common on the east side of the
San Joaquin Valley - Canyon White
Columbia Valley. Apparently knew the
bird - white wing marks on one - its
"big as a fist, wing spread 17 ft."
He was slightly drunk at the time so
his statement may be taken for what it
is worth. Monday day.

October 20, 1933
Dark in all our days this morn. Hazy
Basin Creek - saw four larks. Cloudy
day - Jays (very) & winter larks &
juncos were the only common birds.
Flushed a dove out in front of
mustache when I shot another but
saw one flourish when I shot another.
get only some last
flocks



Adams
1933

In route Walker Basin & French Meadows
in Paiute Mts. via Caliente & Pahrump
Oct. 21, 1933. - Oct. 22.

Made camp early this morning & drove
down Thompson Canyon (Bass Creek Canyon)
Stopped at Williams' residence - got a
couple of letters & were offered the use
of ~~the~~ his cabin at French Meadows.
Drove south out of the valley first
Kautin Ranch and outlet of Bass Creek.
This is the main road north from
the Nevada highway at Caliente & north
from the Walker Pass - Kern Canyon high
way south from Pahrump. At the south
end of the road drops down very abruptly
from the south side - from 4000 ft. to
about 2000 ft. These I don't follow
slopes and much less covered with
timber than the north facing slopes.
Almost none over a width of the valley
of the canyon before reaching Caliente
Creek. The bottom run across the
road, up a steep dirt bank & led
in a small patch of brush until
Mackay went after it with a shotgun.
But received mail at Caliente &
bought provisions from the small store
- made square of nearly outfit.
Left Caliente (15 miles from Walker



Bellevue
1933

French Meadows (Sucker & 1500 feet)

Oct. 21-22.

(Barn) at 11:15 AM. (we had to wait
for the 11:00 train (Banta Jr.) to get
here) and drove up Coleridge Canyon
toward Paute. The canyon is to the
left of the narrow & the road dips
into the stream bed every hundred yds.
or so it seemed. The walls are rocky
& vegetation scanty; buckeye, cottonwood
along here, & some golden cup oak
along rim, & scattered juniper & pine
above them. Town of Jerome where
you could be furnished.
Paute is only a ranch headquarters
now & the road from Coleridge ends
back to Walter Barn. We cannot
drive any further - the road over some
small mining roads.
Continuing on the good road we
pass (4 miles from Paute) on the
left rim & locate of Walter Barn
then a road runs north to Paute Peak
French Meadows & Clearville. We are
about 10 miles from the stream in the
road was in good shape but very
steep & there are holes & buckeye
set along up. Below Paute first
encountered about 5500 ft. - common



Church/Arch - Lauck Mts. 6/100 ft.

Oct. 21-22, 1933

Edmund
1933

at 6000 ft. Red in encounter
about 6000 ft. at 8000 ft. a
ice camp - bunch of young
ducks. - quarter mile back &
the road forked - left hand fork
ran north ~~1/2~~ 1/4 mile to back of
forest. Up we drove. met today
Richard & visited the quarry road
country. Finally back to the main
road & 3 miles (mostly down hill
the ~~quarry~~ but uniform a land
open fine, black rock & an occasional
stone. North & west of head of
meadow is an 800 ft. back which
like Paint Peak, appears to have a
spot or two of ~~shale~~ limestone.
Meadow is really more than 100
yds wide but at its mouth (about)
where (Clanville) (one log cabin) rising
at 6000 ft into a broad opening
about which with landing meadow
forms most of the drainage of the
the side of the valley & appears to
be a lake. Red Rock is in general



Branch/Bush, 6700 ft. (about 1933)

Oct. 21-22, 1933

Belmont
1933

Similar with Branch Meadows but they are separated by a ridge & both stand in opposite directions to the latter. Also, they are the form of the woods at the Meadows -

occupation? - we couldn't find the old Williams' shack as it had been moved about 700 yds farther up the canyon under some pines. The Meadows here is grassy & has many cattle & horses. Willows like the peepers water course. The order of the canyon are mainly, yellow pine, & black oak with some sage, Manzanita, & Jun. Many rocky (granite) outcrops & boulders; there is a 3-olant hole among about 1/4 mile up the canyon & it makes a hole in a cliff in the evening when the winds come down the canyon.

Just far down the first day out - many valleys in the large black which ended over a spot in an adjacent ridge like boulders and finally dispersed.

Temperature 34° F. this morning.



Hubert
1933

Beach/Beach, 6700 ft., Pointe Hts. Oct. 23, 1933

Cold clear night - unagedly coyote howls -
no moon. Temp. in tent this morning, 30° F.
Clear warm day followed - have seen no bats
Willow thickets in meadows proper contain
numerous birds - white crowned sparrows
for sparrows, spotted towhees, golden crests
flamers are most common. Many Goshawks
Woodpeckers, Green Jay, Bluebirds in
flocks or flocks adjacent.

Look for your four wack up the ridge
to the west, thru black oak, mixed black
oak + yellow pine, red fir + have rock
to chertquartzite + scarpous thickets on
top of ridges. Climb to unnamed peak
Sage H. near by - come back ~~the~~
down French beach. Following is bird
census with notes:

Calif. Woodpecker 2 (not common away
from the meadow borders)
Robin 73 (one checked - fine + song)
Continuously in about 10 minutes)
Western Bluebird 25 F (seen to gather
in flocks + may be seen any place -
flocks 10-15 or less).

Junco 6 (not as common away from
canyon bottom).
Chickadee 11 (common everywhere - mostly
on the pines).



2 miles South, 6 to 7 ft. Point Mts. Oct. 23, 1933

Billings
1933

Canyon Finch 1 (in oak)

Stellar Jay 17 (common everywhere)
Chickadee 5 (oaks + pines)

Prairie Tailed Pigeon 5 (one lost 13 on way)

far over packed on top grade fine in canyon bottom

Toy Sparrow 6 (to be found in thickets
a bush, high up a low down).

Sharp-shinned Hawk 3 (seen at higher elev.)

Golden Eagle 1 (this overhead while on peak)

Raven 5 (more after heard than seen)

Downy Woodpecker (in fine in canyon side)

Golden-crowned Sparrow 3 (in sage)

Mt. Quail (one flock in canyon bottom)

Hermit Thrush 1 (scattered brush on ridge)

Spotted Towhee (all over in canyon bottom)

Painted Thrush 1 (flushed near spring in

bottom of canyon - one seen over yesterday

in similar situation)

Chipping Sparrow 26 (everywhere - bottom of

valley) 3 (on ridge in oak -

one in canyon bottom in pines)

Decorative 2 (does on rocky ridge)

Catbirds 1 (in canyon bottom -)

Search back on top maps to know locally

as Search Thru



French Creek, 6700 ft., Route 115, Oct. 23 (cont.)

Goldman
1933

Black oaks go up to 7500 + feet - found scattered as fairly in groves. Red this grove
found on north facing slopes in all exposures
Stage goes to top (8300 ft.) scattered on
hills - then enters flats in higher reaches
of French Creek. Yellow pines - top of Cotton
Climax at about 7500 ft up -
predominantly in small patches. The
Sugar Pine seen; no incense cedar.
Mangrove scattered up to about 7500 ft.

October 24, 1933

Small coyote shows last night. At day.
Just one chapter continuously near camp in
upper end of meadow as I investigated with
knife. Saw coyote at 100 yds. sitting in
open space between cage & fence; however,
it was not too dark to see the eyes. The
color of the eyes appeared gray with black.
Temperature 34° F. this morning.
Started down the meadow in about
a mile. The meadow proper is only 1/2
mile long a deep - thick and appearing
between narrowing walls of canyon as
the pines and the grassy flats. The
3 firs - scattered back along base
of hill on meadow border.



Bellevue
1933

March/June, 6700 ft. Point Mt., Delta 24 (cont.)

Band Curlew on runway's like.
Shrike 6 (equally common at edge of meadow as on adjacent ridge - singly or in pairs)
Jay Sparrow 4 (commoner than indicated here - Shrike about the Shrike's - w. willow)
Cal. Woodpecker 5 (commonest at borders of meadows in firs - one or two of these may be Wilson's Woodpecker)
Spotted Towhee 2 (commoner than indicated)
Chickadee 2 (apparently an unbroken wandering flock)
Junco 1 (could not see the crown - in willows)
Junco 15 (in flocks of from 5-15 in willows on rats along border)
Shrike 11 (generally in firs adjacent - occasionally in willows where they appear to be much quiet)
California Goldeneye 15+ (one single flock in the field - flocks on lower side)
Zonotrichia 7 (one with tree species - in willows + occasionally in sage).
Mt. Quail (Black Head)
Mountain Dove 1 (killed but not banded) -
less than sage? to this bank land down
Horned Thrush 4 (in willows or dense timber adjoining - single - quiet)
Evening Grosbeak 20 ft (one large flock seen & fly into tops of the adjacent, high firs & strike with patches conspicuous -

1. 1. 1. 1. 1.

Belmont
1933

French Creek, 6700 ft., Gaule Mts. Oct. 24 (cont.)

one shot in identification (no. 3013).
Spermophiles 11 (fruit. Juice + w. G. Sperm.)
Sylvilagus bachmani 1 (heavy villous along hair)
- collected - captured by (backage)
Eutamias 8 (all along under of meadow in
timber on rocks)
Karyod (decapens) 2 (one on rock - one on string)

Clear day - warm - "backage shot a Sperm.
quercus from top of tall pine next to camp
It was / skatons at a great rate.

Strange - the fire traps in cage have
caught nothing & no insects from net traps
set on meadow in black spots in flying
Squirrels. Undoubtedly no fire skunkways in
fields - too much tramping by otter?
Local trapper informed me that the
road from here went to the valley
"two hundred but not good - called it the
"North back Road."

October 25, 1933

Warm, windy, cloudy like + morning -
re-fetched rain; none came - clear afternoon.
No coyotes heard, no cats - no bats seen.
Washed down meadows creek for a mile
or more - got many birds - killed many
carnivore tracks such as: Coyote, Skunk,

Wilson
1933

Branch/Arch, 6/100 H. Vulture 1115. W. 1.75 (cont.)

Raccoon? Jay? - took bird census;
White Crowned Sparrow 2 (over in willows -
not common?)

Chickadee 2 (then with willows from Jones
and much excitement).

After day 10 (common - more over in
willows today than formerly - then
make a clumping large like hog)

Varied Thrush 1 (then out of willows in great
note & trees)

Purple Finch (Cunaris?) 7 (over in willows
+ on fence wires & open pasture
with Bluebirds).

Shrike 10 (one flock of 4 - yellow in grass
very. White-throated 3 (in thick alfalfa).

Bluebird (Wilson?) 15 + (in open field)
since 5 (in willows)

Robin 1 (heard)
Hermit Thrush 2 (willows - pickers -
no notes heard)

Unknown 7 (one a greatcatch?)
Chickadee 4 (in dry willow thickets -
not against & stream).

At evening took two ad. Thrushes from
traps in willows - saw two Gold.
Woodpeckers sitting on fence posts in



March/April, 6/10/19, 1933, 1933 (cont.)

Boxmore
1933

field - it wiped out flock of three
Red winged Blackbirds which Mackay
just noticed in meadow. also the meadow
bank which had the hard luck & the feed
with them. The Blackbirds were all the
wet grass near stock, did not flush
as the horse, noted by them at my
approach, the survivors flew 100 yds &
began flying again - one, watched
suddenly they left meadow & kang
together with the blue & kang in a bushy
place (they have not been seen since
before) or kang members of my family.

October 26, 1933

No coyotes, but on cuts kang always write
local deer. Waked down canyon & then
out on east side of range. - Here it is
true and, one occasionally seeing canyon
fire & there seems to be no weed as kang
yellow pine. Cuts of kang, page,
mammals & rocks complete the scene.
Kang in canyon deep, for certain, the and
although kang only day. Kangs:
Evening Blackbirds (seen on camp and
at top of adjacent hill - (Hagel corner)
Blackbirds, Western 25-4 (mostly in

Johnson
1933

French Creek, 6700 ft., Cant. Mts. Oct. 26 (cont.)

meadow - occasionally in oaks)
Mountain Bluebird 2 (with flock of white
Bluebirds in meadow - maybe where Hawk 2)
Caly. Woodpecker 8 (the one actually seen
often heard - all within of meadow)
Raven 3 (flying high overhead - carrying)
Hucker 9 (may be encountered anywhere)
Robin 1 (near meadow - atop small pine)
Sharp-shinned Hawk 1 (in meadow)
Cassin's Purple Finch 75+ (one flock in
oak clump in center of field border with
bluebirds in danger gap + fence)
Meadowlark 5 (edge of meadow)
Starling Jay 22 (to be encountered anywhere)
Sharp-shinned Hawk (with flock of white oaks
on side of ridge) 4 (in trees near creek)
Violet Thrush 3 (nearly out of young pine
near creek) - seen meadow.
Singer (sp?) 2 (in oaks)
Caly. Jay (?) 3 (in and east side of foot
ridge - in oaks + yellow pine)
Rough (sp?) 8 (seen over head - and far
away) 2 (at times 1 and ridge side
Hucker 2 (near 2 - fins near creek)
Caly. Purple Finch 1 (in oaks) - spec. no. 303
White-throated Sparrow 8 (in large adjacent to creek)
Caly. Sparrow 2 (in oak brush on and ridge side)
Cedar Waxwing 157 (compact flock over meadow - no. 303)



French Creek, 6700 ft., White Mts., Oct. 26 (cont.)

Williams
1933

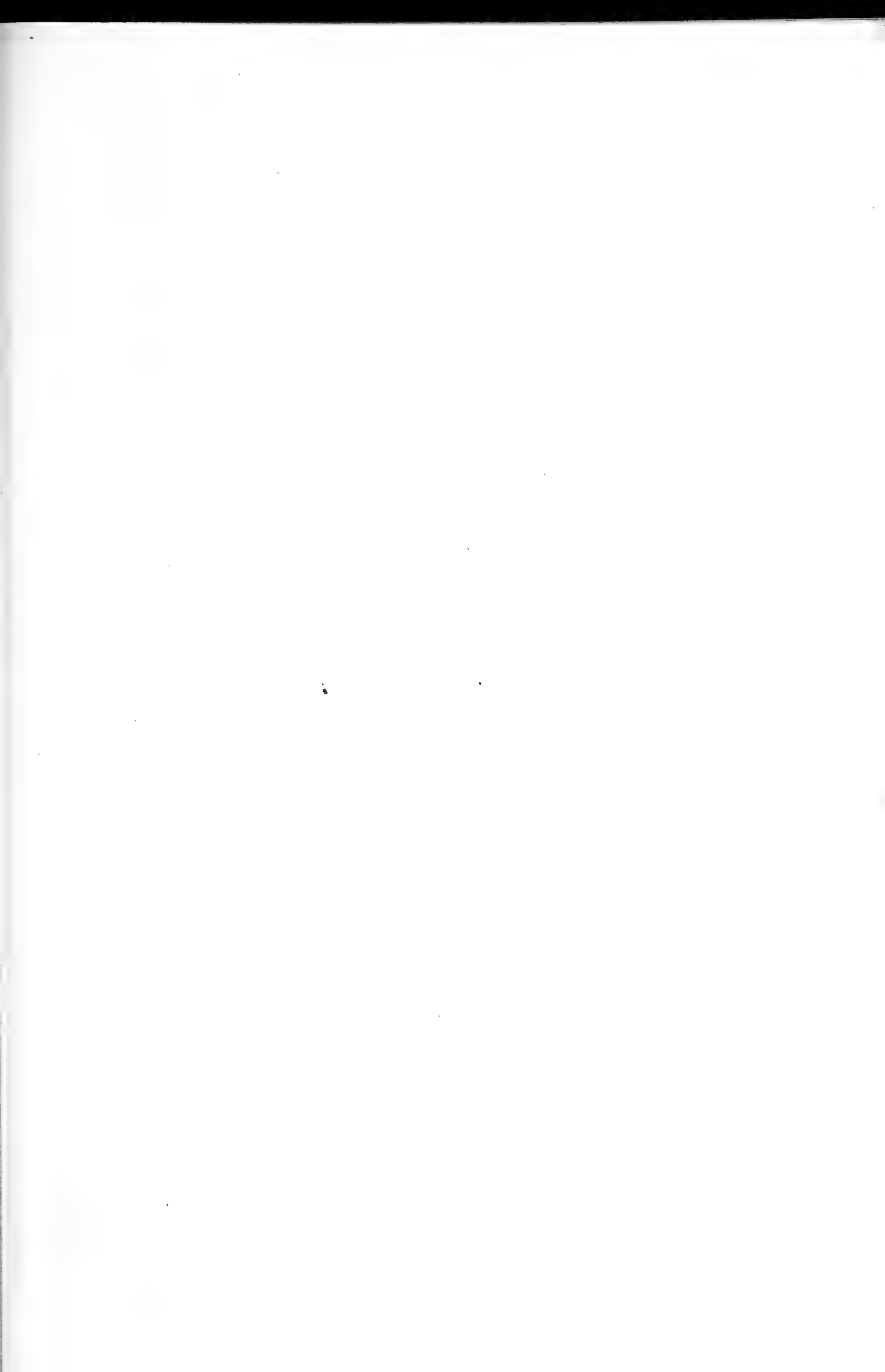
Salicetes rupestris 10 (everywhere)
Sceloporus 3 (on rocks of sand ridge side)

The Bluebirds hang out in same spot -
first end of pasture near pines - when
climber collects one - observed feeding
in dwarf spruce - grass - *Geranium* Mt.
Bluebirds present all same flock.

October 27, 1933

Warm night - no crows, cats or bats
heard or seen. Close at daybreak & gradually
removed + shot at a *Corvus* which attracted
Satterthorn by almost alighting on our feet.
Sharp catch of *Myiarchus* good - also *Parus*
boydii in caddis in ridge. Three no French
Roberts no flying squirrels

Shot a long necked French Creek. Then
over on N.E. side of Mts. found many
types of country - open scrub oak forest
flourishing into no red oak down a foot.
This seems to grow best in narrow draws
on top & the only in north facing slope -
same with *Chamaecyparis*. What facing
slope of upper White Creek top down
area of sage, or *Amelanchier* & black oak
last facing slope - has heavy timber with
first *Chamaecyparis* on upper slopes 1500 ft.



Bilbore
1933

French Creek, 6700 ft., White Mts. Delta 27, 1933

Band + Hummer (Crows 4 four weeks
are above 6000 ft.)

Shrike 19 (everywhere)

Golden Eagle 2

Cal. Woodpecker 4 (generally near gulch)

Western Bluebird 354 (generally at rocks 812
a mass - open country near water?)

Shrike Jay 24 + (accompanying song of quail)
Jay Sparrow 8 (thickets - near a rocky formation)

Junco Finch (sp) 6 (generally with Bluebirds -
sometimes in thickets)

Red Banded Sapsucker 1 (thickets oaks and
become of former no. 3046)

Raven 1

Violet Thrush 5 (generally alone + in thickets or
timber near water)

Red Tailed Hawk 2

Mt. Chickadee 4 (open areas)

Junco, Golden C. 3 (has been in *Phoeniceus* bushes)
Mt. Bluebird 3 (in ridge in firs)

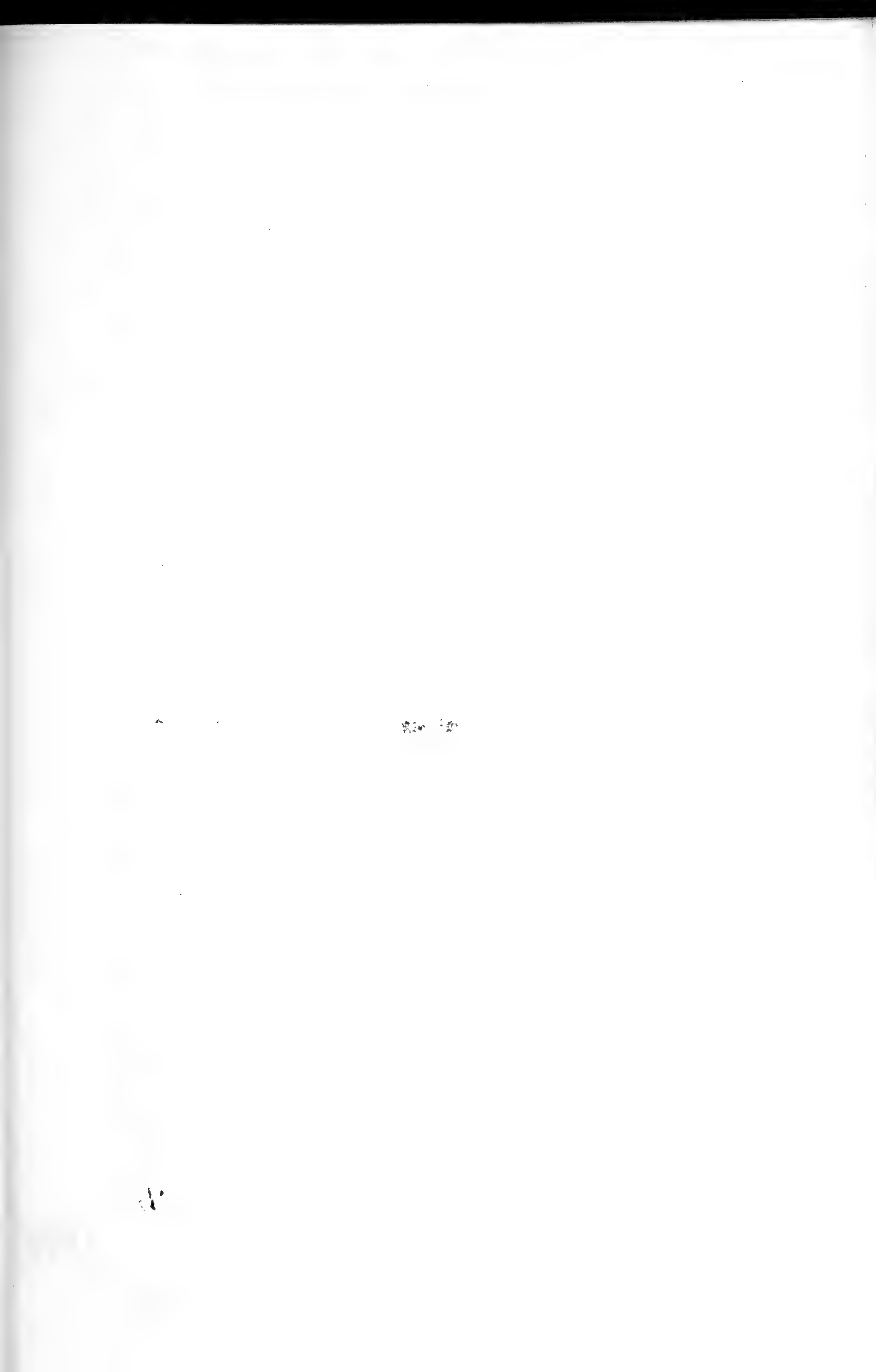
Golden C. (Golden Sparrow) 4 (at edge brush at
head of French Creek)

Junco 12 (open areas - flocks from 5 up)

Mountain Bluebird 15 ft (in several places)

flocks on top of ridges - (as a flocks)

Shipping Sparrow 1 (in edge at head of gulch)
Unknown 12



French Creek, 6700 ft., White Mts., October 27, 1933

Billings
1933

8. That the "pioneer" is smallest of all.
9. That the "pioneer" is smallest of all.
10. That there are groups in these hills.
11. That the peak (3300 ft.) just N.W. of French Creek is the same as the peak - the other is White Mt.
12. That they have never seen others.

Thos. Woods has lived long in French Creek. He has seen others & flying squirrels. The wood is average ~~and~~ forested.

Also during hike saw
 Bear tracks 1 (in oak - part road)
 Coyote tracks many - road & trails
 Deer tracks one - in road up canyon.
 Skunk tracks several - " "

October 28, 1933

Spent day - few specimens - confusion.
 (used in all my specimens traps on out
 ridge, all specimens from a canyon
 ground covered with rabbit brush, used
 same sage. Shaved down canyon with
 looking to catch a little. The recent
 French Creek species are above the
 French Creek species and the French



French Creek, 6700 ft., White Mts. Oct. 28, 1933

William
1933

This has also led to confusion - because we have not yet got the good bearings of meadow hummers & after we wait to thoroughly work the firs. I have lost me back since today & it was in narrow part of the gulch below the meadow in a hemlock and spruce with a patch of willows. I noted 5-6 Jay Sparrows & 4-5 Spotted Towhees. There appears to be the kinds of Jay Sparrows here - one heavy (to ground & as) brown dorsally & with heavy spotting. The other light (20-25) gray - gray dorsally as well as brown & with lighter spotting. I can't say yet, make out any difference in habitat.

October 29, 1933

Spent a ~~whole~~ forenoon & forenoon but about 4:30-5:00 AM - yesterday. Don't get any light in the east.

My wife and I have set for *Siphonophora* down the canyon. Produced one *Stomatopoda* in. Don't know if it is a *Stomatopoda* or not. The *Stomatopoda* must have crawled from out.

Spent upon the main ridge west of French Creek - 7000-8000 ft. East of French Creek - 13 +
French Creek - 12 +
French Creek - 13 +
French Creek - 12 +



French/Suech, 6700 ft., White Mts., New Co., Calif.

October 29, 1933

Galbraith
1933

Varied Thrush 5 (Heavy timber on willow thickets
Grand Teton region 10 ± (canyon bottom - few
and few)

Gray Sparrows (Doves) 17 (Age, willow thickets
cedar, and chinquapin)

White Crowned Sparrows 9 (in sage thickets)
Purple Finches (sp?) 25 ± (several straggled
flocks seen flying over head while on
top of ridge)

Red Vented Nuthatch 1
Sharp Shinned Hawk 1 (8300 ft.)

Golden 1 (top of peak - flying 50 yds up
steep brush 3 (willow brushy thickets
even up in the firs)

Spotted Towhee 2. (seemingly brush near
water - like White Crowned Sparrows)

House Wren 1 (willow thickets)
Dove 2 (willow thickets - apparently
much less common than a week ago)

Unknown 14 (one of these a White Headed Woodpecker)
Cyanus cyaneus 15 ± (up to 7000 ft.)

Eutamias quadrivittatus 10 ± (above 7000 ft.)
up to top of peak in rocks.)

In a block of 8-10 Cedar saplings they are
the majority of the seedlings - got me - in
compact well organized flock - similar to
Aphelocoma in. Chusqueana + much of the same



James Bush, 6700 St. Clair St., Suite 105, Detroit 29, 1933 (a)

Belmont
1933

Is different from the loose flock of Ring-billed Gulls - this flock, or another flock, sit in top of pine near camp & Mackaye bugged the birds big but - large of young birds. This evening I Mackaye claims it was about 30 yds up - he said it twice. Overcast then rose over the meadow - learned the ground birds for ground birds which mother flush before it - crows, groundhogs, - cloudy, cool day. Slightly wet rain clear brilliant moon - almost full.

October 30, 1933

Cool windy morning - cool windy afternoon - my 2nd camp traps - caught only 1 m. *Peromyscus*; also killed in the meadow. Traps reset on good *Peromyscus* set, two *Peromyscus* sets, 2 others & 3 others. Saw a Marsh Rabbit in willow - its such things that keep one looking from the willows down after dawn & evening after evening. After about 10 am much time in the willows already & not enough in the day. More up to the upper part of French Creek (1933) & set a string of traps from the first - then drove to head of the gulch & others



French Gulch, 6700 ft., White Mts., Idaho 3, (cont)

Wilson
1933

down
The slope to the north commences the
further this out. There is quite a growth
of sage in the bottom of the "gully" and
the west side is covered with grass &
firs & chamunash, while the east side
is covered with pines, oaks, cotton bush,
& sage - cedars & manzanita -
all the day. In the west between the
east-facing slope & a west-facing slope,
between the Meador lands but of the
grass early this morning - as they report on
the ground? - said S. Roberts begins
suff-up. During the visit to the firs
saw one *Arctostaphylos* (sp?) & the Brown
Carpenter which bore of several interest.
Shuckage shot a half-headed woodpecker
which strikes a note heard yesterday when
I walked under the trees.

October 31, 1933
Cool Army wife - a druggist son
& No. 1 said I saw large on the ground
forming several ridges of dry bones (?)
about 1000 ft. from which were found
large bones & there which were found
saw me at. No bones in evidence
& but *quadrifidus* in pits & 1 *Quadrifidus*
today: I Barker (Camp at noon. None



En route - Suite Mts - south of Teton Valley -
North to New Canyon (valley) - this
went then south to water basin.
out toward Clearville - stopped to interview
Art Burrows, local mining accident and
hopper - was not home - definitely learned
of absence of house and for other
men - nobody today ~~before~~ days they are
here in the mountains thought we
was more. Art Burrows may be back
from Murfreesboro, Suite Ranch, in Caliente
of correspondence is desired, in following
Clearville in bearers in winter.
Clearville is situated in a large
the range NE facing below in the mts
one building from, said to once have been
a courthouse - all good foundation zone
from Clearville at road leads about
down the mts. & developed but it is
reputed to be fairly cheap - other
of main road, leads south along road
ridge of Suite Mts & Teton Valley where
one may go south to Murfreesboro (40
miles, on route up the valley &
valley (15 miles). Road off the mts.
deep & low, many switch backs - may
they are going to get in a new road over
rapidly one comes out of road near
valley (400 ft) the new valley in
which deeper from best of lakes after

Glenn
1933

in these mountains as some have in
Kono Valley, South Fork Valley. Oct. 31, 1933

Johnson
1933

To Kono Valley with its good lower forest
Kono of Poplar trees, Gambel's-quail, rabbits,
brush, & cholla cacti. The cat me
of the valley was steeply up to the
fruit nuts & one may easily climb
from these to upper forest & then
mountain in a ~~day~~ half day. Saw
many *Amorpha* in valley -
water comes out of canyons & disappears
in floor of ~~canyons~~ valley - many of these
canyons have such houses which are
may get from the road. ~~Many~~
saw with up valley one seen (82
miles) climbs head of dry canyon,
goes over a small plateau & drops
down into a north facing canyon
which was not like fork canyon.
This canyon is still lower forest but
has a water course with dense groves
of willows. Could not find deep land!
of Atkinson's canyon (near Wilson) a
fringe of poplar. Some in & the
use has some banks,
Down fork fork canyon we drove &
reached Nevada mine by some
quick - but not to state! - Had a
big T-bone state! - Some out
after dark & reached White River



1933
B. Williams

more with this & water from the
type duty - Oct. 31, 1933

we Bedding, about 9:00 - found
all the Williams up & got a few
of the - the prints - etc -
- changed in mid up Thompson Canyon
- just north but cloudy clouds & type
heavy frost.

~~Oct 3~~

Six ^{not} West Valley, 3350 ft.
November 1, 1933

quite early - had mostly breakfast
& wrote special letters - one to the
young, volume of East the West and
looking for some new subjects and
one to Mr. Baker, Arnold, Anne & Linda
of the Co - Bakerfield - as for
institutions of the farm. I copy
of letter folders and post page -

Shore out & drive to Kauai
Kauai. & get tomorrow & camp
in Williams at 7:00 at 7:30 pm
back home. No points at home -
expected that evening - drive back
& perhaps the Williams - found
one chance. Just from Hawaii
- only outside place. Camp in



of Bakerfield is accordance with conduct
of special permit to shoot deer in what
of special permit to shoot deer in what

% Williams
Caliente, Calif.
Nov. 1, 1933

Wanda Foster Arnold
Box 652
Bakersfield, Calif.
Dear Mr. Arnold:

Am in receipt of two copies of (one
signed by Mr. John A. Bailey) of a special
permit authorizing Raymond K. Adams and
I have package to take any animal deer in
the Walker Basin Region between residence of
Adams (Oct. 24, 1933) and Nov. 15, 1933. On
if the provisions of the permit is that you
be contacted for plans or some supervision.
The other problem is that we don't take the
deer on same Refuge 1-N, which is in
Adams Co. An idea it should have read "1-N
in accordance with the above, would you
kindly # write to me, at the above address
any advice or information you may have
for me in this matter. I expect to
be here in the Basin for a week or 10 days
collecting rodents, etc., after which I am
planning to go up in the Snake Mts. or



the desire of obtaining
the deer. However, these skins may be
changed to suit your wishes.
Very truly yours
Raymond M. Lawrence
P.S. Both Mr. MacKaye and I are from
the Museum of Vertebrate Zoology, Univ.
of Calif., Berkeley (where these mammals
were collected) and I feel the mammals
state hunting and species collecting
permits.

The Wilson Hackett — Horse down
out of 5 and Barn + egg on side
road to Mr. Taas's ranch, 2 miles down
Barn-Creek. The canyon is as deep
+ narrow that a road is impossible
except by the way down + the Taas has
had to start ~~from~~ ^{at} his ~~own~~ ^{own} road way
The hills here are nearly green
with big sage brush, oak + ^{brush}
and we saw many leaves leaves
after Barn leaves + 1 leaves
the few leaves leaves seen no higher
the SW end of the Basin (the hills,
that is) + we nearly found a deer
anywhere else about Mr. Taas's days



all part water water, 3350 ft. - Nov. 1, 1933

Belmont
1933

that they come every winter, the corn as it
across the pass - there are lots of acorns
about the - there acorns seen
to be the attachment at the ocean for
seen & Bear also, according to the habit
- decided that we wouldn't camp at Tarn
(the road ends there) because there
was no suitable place to camp before
in place & the Bear road - after
a hour the road was practically im-
possible.

drove back to Tarkenton's Ranch that
the old lady, 80 years old - obtained an
hundred & camp & moved up into
the black & light like best & clear
and with a pure brilliant moon. The
last mt. was almost white as the
moon rose over them - Tarkenton's
perhaps due to dust or moisture in
the air. - wind.

November 2, 1933

still passed into - beds covered
with frost - Temp. 25° F. when
dawned at dawn. - Foggy weather
as we came up. - Arrived down
Tarkenton's Ranch - 11 miles from
oceanic areas, one with small patch



Belmont
1933

Swamp water boat, 235 ft. 11.2.1933

Fishes - Stenopterus - given & used
some shapes toward hills. in
3 hours - census.

Unknown III (roughly 200 ft. 11.2.1933)

Median bank 20 ft

Lower Blackbird 100 ft (large flock with
fed on dry part of stream - orthocentrus
scattered, orthocentrus compact.

Feeding Blackbird 5 ft (mixed in with the
flock of Boobies - local Adams and
the ones but this Adams).

Sea turtle track!

Shoreland bank 150 ft (this about in
track of 10-30; early morning
banned to be flying amblystoma when
getting warm - were not observed

Feeding with 9:45 a.m. as - then
many reflex during average
passive with small the patch
a water bird.

Orange Finch 20 ft (in flock of 100
5-10, feeding in fields near fence
Western Bluebird!

Remo Woodpecker 20 ft (single to
of scattered birds flying amblystoma
over average area - finches at
dusted finches take others at
edge of Booby nest.

Johnson
1933

Swamp Water Road, 3350 ft., Nov. 2, 1933

Sumner 2 (in wet grass)
Hedley 1 (average - wet area)
Sumner 1
Cans (Kana)
Rivers 1

1st day - seemed peculiar after cold
note & heard many coyotes howling
yapping - one sounded like it was
barking 50-100 yds. of camp - couldn't
see him when illuminated. Heard
Hooted but nothing & barking in
allens - three distinct notes.
At 5:15 PM - no gun was making
Heard lots of gun noises and
from Mt. Buckridge ridge, 1/2
mile away - sounded like a big
cat fight with coyotes howl then
in and a long purring sound
or two.

Nov. 3, 1933

Cold note - 70°F. this morning - heard
no coyotes or cats but note. - Had a long
hunt this morning - over the hills
Hedley 15 (some may be Coyotes)
Carpodacus (sp?) 18 - in flocks near fence



Fieldwork
1933

541 part Mather Road, 3350 ft., Nov. 3, 1933

Western Bluebird 10 (some of them may have been Mountain Bluebirds)
King Starling 6 (all in near water)
Summer Yellow 5 (near 2 fields)
House Wren 150+ (open fields with corn + cattle)
Shorebird 250+ (average dozen flocks, a ground only in patches of Russian thistle, after wet grass near oblique area - latter place they moved circle around + then after being flushed - not so with other places)
Thrush 27 (seen distributed over lawn - then up and over at base of hills)
Starling 2 (one may have been a House Wren - it was dark!)
Chickadee 3 (on fence posts of open field)
Robin 17 (order of numbers may be this species)
Red-tailed Hawk 2 (wood + fields)
Raven 1
Carr. Dove 75+ (one left encountered in range at base of hills)
Juncos 12 (in oak brush at base of hills)
Nighthawk 1 (in shrubs)
Pileated Woodpecker 1 (near)
Red-winged Blackbird 5 (single flock in many blue patches + some seen in

1933
H. J. Brown

On part water down, 3350 ft., Nov. 3, 1933

company with (Barnes Black birds)
C. E. L. Beckwith 5 (birds)
Coyote 1 (now about 1000 ft. and farther)

Mr. Anderson, local chaperone, and
Charles Allen, a female albino, under today
in answer to my letter to the director of
Bakerfield (7:50-8:15) concerning taking of
the specimens. I took five - which suggested
that since the time to place in with this the
it might be better to get some near female.
I agreed with to take a pair I would be
in female about 10 ft.
I had the last, and with all others
at present was back of 15-25 miles high
in scattered formation

Nov. 4, 1933

Outcast note - 28° F. at day break -
heard a Honey Out at dawn - scattered
thru meadows - Red for back - abundant
for some thing except 3 formed lots and
1 large Hawk - comes on years
Haven 3
Western Bluebird 5
Hacker 3
Swainson Sparrow 1
Coyote 4

Gilmore
1933

Sw part water basin, 3316 ft. Nov. 9, 1933

flamed larks, 75, 50, 75, 5, 1, 50, 75, 20
75, 25, 5 — these figures represent
rough estimates of numbers seen in
each flock — apparently the larks
needed the human whistle on day
previous & early began flying around
but these flushed from the type
I would do not force & return.
With the average quarry area they
can come in flocks & when flushed
will circle & return — this they
appear to be more wary.

Heard lark 27
much (0.7) 8

Again lark 2 (one answered and
a flock of 4000 larks as they were
of the song — other than this one
others I noted as different than
in yesterday's session.

Heard Blackbird 11 (the large
flocks encountered Nov. 2, near
the well scattered & with the
flock in dry patches.

Heard 4 (see page over — file)
Heard 2 (on neglected megaranching
feeding Blackbird 2 (with 3 answers)
Nov 6
Marsh Hawk 1

Billings
1933

Mr. J. A. Walker, 335 7th, Nov. 7.

Mr. A. J. Tinsley (game warden)
visited today + stayed about an
hour. Had back camp set
out was good place for small
carnivores + had several many signs.
Had brush rabbits were very
plenty in this country + generally
found higher than Cottontails.
Set 12 gopher traps - 7 for
mice in deep meadows + 5 for
gophers in dry ground + 2 for
skunk. No muskrats. Drove at water
this evening.

Nov. 5, 1933

Good night - 32 at 8:30 P.M. - 25° F. at dawn
Went out hunting last night + saw no signs
but near daylight in case of field. soon
after coming in had a skinned but later
floating.

Visited meadows + fields for some -
good catch of gophers and moles. One
gopher which was taken in trap was
evidently the object of specimen. Several
mice in I caught a mole in same trap
this evening.
Insects larger than phantom.

Singapore, 3350 ft., Nov. 5, 1933

Johnson
1933

Course for morning - time 3 hours. -
Harris falcon 2 (few overhead clearing each other
and uttering harsh cries)
Horned lark 3, 50, 50, 75-75 (numbers indicated
individuals in flocks - seen first then
regularly near the patch before feed when
flocks are being caught & Red-wing Blackbird
are being seen).
Pied-billed Grebe 27 (abundant - often in groups
up to 7 in number).
Red-wing Blackbird 1 (in trees)
Crows 20 (in flock of 19 + 1 other)
Western Bluebird 3
Sparrow Hawk 1 (flew from large eucalypt
tree)
Barn Swallow 150 ± (large flock which
fed with flock + other odd individuals
in groups - few seen in flocks in flock
limit 16 (one group of 15)
Barn Swallow 3 (with grass + trees)
Cattle 2 - (open field).
Today slightly cloudy - wind from south -
no for animal - barn swallows in use the it
is fairly cool at all times.



800 ft. above town, 3358 ft., Nov. 6, 1933

W. L. Brown
1933

Collected note - 14° F. at dawn - coyotes
howled just before dawn - ran traps and
hunted - all some other for Bauger.
3 horn bird census
Breast Blackbird 3, 20, 25 F. (mostly near me
by flock -

Heard 1, 3, 15, 3, 4 (1122 16)
Crows 1, 15 (1122 16)
Horned Lark 100, 50, 50, 10, 20 (1122 20 F
April 1 (among trees)
Brewer's Sparrow 2, 3 (1122 5) - 4000
Linnit 4, 25 F

Redwing Blackbird 2
Marsh Hawk 1
Unknown 1

Poison Note - I am W. L. Brown (see page 821)
we have not the former in circles, being in
from country outskirts in 1300 ft. and
free birds & any mammal will eat a
poisoned carcass. Mr. Brown and he have
seen dead birds and his dog had
almost died from eating part of carcass
of poisoned quail. It has been reported for the
presence of small carnivores in the area -
Badger, Skunk etc - these animals might also
eat the carcasses of poisoned animals.

Feb 1933

SW part of Baker Basin, 3350 ft., Kern Co., Calif.
Nov. 7, 1933

Cold note - 18° F. at daybreak - no ants or coyotes heard. - walked down meadow to falls - then across fields to oaks & brush on south side - then across center of basin & Baker Creek south to willows - then down willows to camp - there 4 hours -

Unit 5, 35, 50, 5, 8 (Total 103) - generally in Basin
Horned Lark 30, 15, 10, 75, 75, 10 (115) - generally in Basin
Southwest part of Basin - lowest part - near water
Brewer Blackbird 50 ± (one stuck in feed)
April 2, 1, 8 (Total 11)
Hooded Lark 4, 2, 10, 7, 5 (13)

Sanmanah Sparrow 1
Crow 1

Lark Sparrow 6
Spotted Towhee 4, 1, 1, 2, 1 (9) [in oak brush]
Sparrow Hawk 1 (edge of oaks)
Red Tailed Hawk 1, 1 (oaks & willows)
Juncos 1, 6, 8 (oaks & willows)
Caly. Jay 1, 1, 4 (darker pine & oaks)
Duck 1

Belted Eagle 2 (near fields)

Brown Towhee 2, 1, 1, 2 (6) oak brush near water
White Crowned Sparrow 30, 1, 1, 5 (oak brush near water and willows)

Hawks 1 (willows)
Unknown 3



Almon
1933

SW part of Baker Basin, 3350 ft. - Nov. 7, 1933 (cont.)

Sylvilagus auduboni 1, 1 (2) (one seen that was
lepus 1 (rabbit brush flat)
Citellus 1, 1 (2) -

There are evidently encamped in the center part
of the Basin - but this miles at Walker's Ranch
(SW end) have been 24 + 28 - ~~25~~ in
thermometer has registered 10° colder.
Monday May - came from South - 03. + 0.0.
warm - ordinary - generally it is freezing
by bedtime - coyote just started up by
John's laundry yard.

Nov. 8, 1933

Very late - 22° F. at day break - brought
in all traps today - except to have tomorrow
morning. - took a 3 hour walk down to
Ranch to large lake patch + a little ways up
Baker Creek at its mouth just from the Basin.
lots of white crowned sparrows + juncos -
Brewster Blackbird 15, 1, 75 (112 ± 100 ±)
Hunt 75 F

Almond Count 3, 8, 30, 15, 40, 7, 5, 25, 25, 10 (173 F)
Numbers in all large flock appear - usually
more common in SW end of Basin - also in
other parts of Basin in early morn. + evening
but humming may be common on damp meadows

Swampy Lake Basin, 3350 ft., Nov. 8, 1933

Billings
1933

Rabbit 25(?) 5

Heads and 25 F

Western Bluebird 30 F

Robin 2 (damp feathers)

Redwing Blackbird 30 F (decidedly more common)

than unreported - not noticeable in the large mixed flock of Ravens but one shot with a shot.

Brought down 6 Redwings & 2 Ravens.

Long-shooter 25 F (year taken + all others)

Shrike 2

Tillandsia 1 (tube)

"

Shrike 1

"

Shrike 1

Shrike 1

Shrike 1

Shrike 1

Shrike 1

Shrike 1

Shrike 1

Shrike 1

Shrike 1

Shrike 1

Shrike 1



Billings
1933

In Fort Water Basin, 3350 ft., June 6, 1933

Nov 8, 1933 (7805)

got paper - (see page 7805) - drove to Williams Ranch & picked up new supplies sent by Museum in response to my letter last week. - dug in *Perognathus* nests and *Sporophobus* eggs & notes were just short tunnels which rarely about down more than 1' in the soft sand and gravel & came to surface again in 4-6 apparently nearly straight burrows - I packed two boxes of specimens for shipment - returned late - temp. 30° F.

Nov. 9, 1933

Completed packing by 10:00 A.M. - seed in 20' at dining. - drove up to *Perognathus* Ranger Station - then to *Sporophobus* where we picked up slender stick. We drove to camp ground at Fish Spring - 3 miles N. of *Sporophobus* where we kept the food & loaded up a mountain road toward an open mine to east (hot in trap) - started Road 9 (will exit in deer - can mine but pigs was plentiful on north-facing, steep rocky ridge. Good type *Perognathus* zone with *Perognathus* (large) *Perognathus* & *Perognathus* on ridges, *Perognathus* & *Perognathus* -

Billings
1933

Donner, 3 mi. N. Jensen, 2653 ft, Jensen
Cay. Nov. 9, 1933
Donner, 3 mi. N. Jensen - Hackage on
Sagehen Rabbit in bush 1 mt. side.
Jensen, Quaternary?, Harts,
Jensen, and Cay. days during it
Donner.

Nov. 10, 1933

Hunted Donner day - saw four - got two
shots at one buck. Watched up a high rocky
knife ridge when back up adjacent ridge
with two yellow birds at 6000 ft. - the
Donner del. located on a north-facing slope
of a steep, heavily wooded, thick and
rocky canyon. It was impossible to shoot
Donner the day, the wind and snow were too

Donner the same granite area just north
a crumpling road when our sights settled in
making - 3 of the deer were evidently deer
some back - the buck shot just close
+ then broke cover with much noise when
he heard or smelled me - He did not see
me. ~~Donner~~
Canyon of Meyer + Hackage for the all day
hunt.

June 10

Cay day 4

Donner 2

Hatched up 1-1

Return 4

Donner 1

Belmont
1933

Mountain Quail 30, 8 (two flocks)
Mountain Quail 3

Quail 1

Quail 1 (?)

Red-winged Blackbird 3

Blackbird 3

Blackbird 3

Blackbird 10 F

Blackbird 6 F

Blackbird 1 (flock)

Blackbird (noir) 1 (flock)

Blackbird 1 (flock)

Blackbird 1 (flock)

Blackbird 1 (flock)

Blackbird 1 (flock)

Blackbird 1 (flock)

Blackbird 1 (flock)

Blackbird 1 (flock)

Blackbird 1 (flock)

Blackbird 1 (flock)

Blackbird 1 (flock)

Blackbird 1 (flock)

Blackbird 1 (flock)

Blackbird 1 (flock)

Blackbird 1 (flock)

Blackbird 1 (flock)

Blackbird 1 (flock)

Blackbird 1 (flock)

Nov. 10, 1933

4 mi. N. Hemlock, 2650 ft., Sonoma Co., Calif.

Nov. 11, 1933

Returned to camp at 11:00 - through day camped.

Several flocks of the birds.

The birds are nesting, the birds are nesting.

Blackbird 1 (flock)

Blackbird 1 (flock)

Blackbird 1 (flock)

Blackbird 1 (flock)

Blackbird 1 (flock)

Blackbird 1 (flock)

Blackbird 1 (flock)



4 mi. N of Spruce - 2650 ft., Nov. 11, 1933

Johnson
1933

Deerling seen 1000 ft. - 3 from west
Redoubt 2
June 5

Junco 4 (one of them a white throat)
Cuckoo 1

Redoubt 3
Cuckoo 1

Unknown 10 (flocking among which end
not be misinterpreted at the time)
Cuckoo 1

Unknown 1 (at base end
of canyon - often very dark canyon)

At noon broke camp - went into Spruce
where we did some drying & then drove
back to Walter 13 mi. arriving after dark
Stayed at the William's Ranch for the night.

This country just east of Tumble is just
between Upper and Lower Sonoran Zones -
it is transitional. The many old Road Runner
armstrongs and rocky cactus
along the edge of the Sonoran Zone and
Upper Sonoran Zone as early as 1900. Spruce
Tumble etc.

From Walter which the following observations
were gathered during double day conversation:
Effect of the Cuckoo's of this country



Buller
1933

at difficulty from coast guard - there do
not think of being in the place where they
were stranded as do coast guard !!!

2. The game situation is getting serious - the
depression has caused many local ranchers
all money to run out of money and the
many new squatters have to leave their "near
this added a bad year winter - long
men died - cause disease in deer for
last

3. See under Mr. Dun & Bear & Bear

4. That the season has shown to

the which is an extreme conservation &
a reliable source - he shows much of this
there in the words of his & also

lots of specimens. He has been wandering
the primitive districts & evidently no great
effort in enforcing the law.

All that Roadrunner are a female, none
to read - among the flocks, holding
chicks when possible & also taking the
clutches of eggs - all these since have
been observed by which means the
plate, however, that their main food is

regards. The birds are roadrunners the
keers about the great country -
in the large flocks feed against
the road at intervals of 100 & 200 in

William Ranch, 2400 ft., Walker Basin,
Furnace Co., Calif. Nov. 11, 1933.

Williams
1933

The evening, one of which was a 3 point
back. In dead end we caught 2 *Peromyscus*
one below + a *Peromyscus*. The latter
was seen on a telephone pole in the
basin an hour after dark.
5 - (which again) that group used to be
common in the White Mts but are now scarce
I not entirely absent.
d. That the two species over - Cong, flying *Sciurus*
in *Peromyscus* in the White Mts, no record of them
existence there.

Hunter's Den all morning in small basin
Canyon & rocky ridge just north of Williams
Ranch - Muckage jumped a large buck and
die in the bottom of the canyon but failed to
get either - They left by way of Robin Creek
Canyon to the east. At noon picked
camp at east Basin Creek about 5
miles from the south end of the Basin.
There is a fine patch just east of the road
in which are *Peromyscus* *Blackbirds* *Yellow*
Blackbirds, *Yellowbirds*, *Yellow*
and *Yellow* *Corvidae* *Spizella* *co* *co*

Blaine
1933

Kanab Ranch, 3305 ft., White House, Tenn Co, Cal.
Nov. 12, 1933

Sack Snipe and Tiedler. other fowls & the
and all medium fowls. Sparrows &
large fowls; west & south of the
are high, the low hills with a few
sage brush & blue oak & much grain. The
sage brush & blue oak. - How their hills
is a very narrow canyon lined with
willows & cottonwoods & rocks runs the
course of Bear Creek - which have
down the canyon. is difficult - No
is Mt Buckskin ridge with its green
grasses extending from the stream
with the road west.

At Junction, after having made the
camp appropriate for our stay, we
drove back up to Williams Ranch & kept
the old man & his constant butler a
cow. - Then home & back - saw
one bat at dusk - appeared & he a
Myotis but I was sure - several
others followed at nightfall. -

Nov. 13, 1933
Tandem mine - No. 1 at dawn - Hunted
the best canyon & adjacent hills & the
south of the Macfay. Located the two patches
where he fell in & almost began down in
that aspect deep. - Saw many deer tracks

Johnson
1933

Xanadu Ranch, 3305 ft., Walker Basin -
Nov. 13, 1933

on the hill-sides - Bird + mammal census -
from 3 1/2 hours - distance 5 miles or less
Shrike 2

June 30 ± (average large flocks of 15 or more -
one in witness of creek bottom in oaks)

White (crowned) Sparrows 20 ± (candies)
Robin 12 (flock of 100 probably Varied Thrushes
Caly. Jay 8)

Red-tailed Vireo 3 (one large flock -
probably same as seen Nov. 8 in canyon
bottom just as it leaves the Basin)

Junco (not Ruby-crowned) 6
Thicket sparrow 1

Downy Woodpecker 3 (all flying high - Hackberry
was not in large flock over canyon - evidently
They were here in the late evening - Brown
breeds as "Junco birds")

Golden Eagle 1 (?)
Horned Thrush 2

mt. quail 25 ± (2 flocks of about 100 each -
one seen in bottom of canyon near willows
and cottonwoods - others on oak ridge -
evidently they have come down off the ridges
on the ridge of Mt. Buckley -
they had better than they see - this is the 3rd as
form the time when the quail have not been
my presence by sound when I was
absolutely certain in mind - they have a

Billmore
1933

Franklin Ranch 3305 ft. (Matterhorn)
Nov. 13, 1933

Double noted these note in alarm, as well
as a high pitch chuck - these note ~~at~~
- a screaming call.

Grey-backed Woodpecker 3 (willows)
" " 2
Sharp-shinned Hawk 1

Buck 11 10 + (one stuck in oak)
Horned Lark 5 (occasionally with the
Buck 11's -) oaks

Common Lark 1 (oaks)
Spotted Towhee 6

Yarrowed Thrush 8 (once, the others might be
this species - evidently part of the higher
note (Mt. Blackknights) - these seen up
Hempden Canyon during ch 8 - 10)

Warblers 9
Downy Woodpecker 1 (deeper tree - 100 yds up
side of tree - clean)

These burrows 14 (noted everywhere from
most sandy creek bottom & dry sandy
gravelly ridges)

Red Hawks - numerous. (Bucks, does, fawns
nesting again - almost exclusively in rocks
every bottom near dense thickets.

Observed next day - had a trail & long
back with these and much fawn - and
are scattered next the main highway &



Belmont
1933

Point in Ranch, 3300 ft., White Bluffs -
Nov. 13, 1933.
Irregularly black & many droplets in sand
but thought - at first saw in the willows &
also only a few feet away when first noticed
Acherontia (Thyris).

Nov. 14, 1933

Warm mite - 26° F. at dawn (6:00 AM) -
skunked across prairie & oak flats & bases of
hills just east of Rankin Ranch - saw
only one kind of oak for some - blue oak, &
Joshua tree. Time 2 hours -
2 miles covered - covered by the way
with wings.

Varied through 1 (where the year takes - are
more common than they appear at first but
- they're nothing & outside of the structure
sharp somewhat similar to that of the
they are quiet birds - quiet & peck in
heavy thicket near bank of tree.
Western Bluebird 20+ (one flock, 1 range &
the oaks near the house)

Kinglet 10 (on telephone wires with bluebirds
Sedgwick's Flycatcher 1 (Tules & willows)

Yellow 4
Red shape 1

Lawrence's Sparrow 6 (in the tree & grass
Sparrow 1 (in the above)

Sedgwick's Sparrow 3 (Tules - wet)

9 June 1933

Xustin Ranch, 3300 ft., Santa Clara, - Nov. 14, 1933

Stage Sparrow 7 (in age + adult bush flat)
Juncos 35-40 (in three big flocks + oaks near
water, one with above at oak bush)
Mockers 20 - (couple of large flocks in
meadow near flocks + scattered in downy oaks
at flocks, places.)

Shrike 3
Spotted Towhee 9 (oaks, + pines - bush)
White-crowned Sparrow 20 (large flock in oak
and oaks + this bush near water)
since by Sparrow 5 (as above)

Blue Titmouse 4 (oaks on small knote)
Brown Towhee 2 (dead pine + oaks + this bush)
Downy Woodpecker 1 (day oaks + this bush on knote)
Chestnut Jay 2 (upper pines + blue oaks)
Unknown 5

Robin 6 (in apple orchard near trees)
Chestnut 3 (oaks + day flocks)
Robins 1 (oaks)
Myiarchus cinerascens 1 (oaks + this bush on
oak + pine knote)

Whackage finished the fire patch successfully
+ brought out 2 Virginia Vireos - also
two slender billed Nuthatches which were
a large time with adjacent the flocks.
Large flocks in Austin Ranch says that
there is a small flock of 2 in the flocks

Belmont
1933

Yukon Ranch, 3300 ft., White River
Nov. 15, 1933

Rose before dawn - 24° F. - while here
over the back part we noticed a chimney
bird sitting on head within 100 ft. not 10
yds away - upon checking it found out that
it was a House Finch - have not on yet
heard any out in this camp.

Walked over adjacent ridges south of
here and had a very good day with the
birds - fine 3 hours - distance 3 miles

Western Bluebird 17 (average flocks of 6 each -
flocks generally seen in open country -
the angles and fairs in the oaks)
Pine Siskin 7 (oaks & willows)

Junco 25 F (generally flocking in bunches
of dozen or so - maybe accompanied

Junco 8 (surprisingly common -
only note heard has been the low, or
Nitin-like chirp.)

Bank Tit - 15 F (couple of flocks of 6 or so
in oaks)

Green-backed Goldfinch 5 (in willows -
4 in oaks in ridge)

Mt. Quail 12 F + 1 flock heard
white (covered sparrows 75-30 (generally
in dry brushy areas or in willows)

Spotted Towhee 4 (oak & ceanothus brush)
Olive-backed Thrush 1 (oaks)

Yankin Ranch, 3300 ft., Walker Basin,
Nov. 15, 1933

Billmore
1933

Red Tailed Hawk 1

Golden Eagle 1 (the low over camp)
Shrike 5

Coat Day 11 (Blue Oaks + Canyon Pine)
Kears Woodpecker 6 (few scattered individuals)

in oaks - known locally as Canyon Parula
Hairy Woodpecker 1 (on dead pine)
Whitethroated 5

Catbirds 6 (dry flats among oaks + brush)

Coat afternoon - smoke from fire on Smeeth
Hills made a murky haze which obscured
the light + blanched the heat of the sun
Recorded hawk today - Gimmels letter asking
us to continue for rest of the month.

Nov. 15, 1933

Coat mite - 18° F. at dawn - ~~no~~ no
out on coyotes heard on hear - widened

trap line down stream in the narrow Basin
Coat Canyon then up over the tops of
the ridges + the point then down the
canyon of the main highway - time 3/4
hours - distance 3-4 miles.

House Thrush 11 (commoner than others)

For Sparrow [Lance] 19 (generally on the
edge + somewhat bushy areas near top
of ridges - generally not spotted birds)

Belmont
1933

Yukon River, 3300 ft., White River, No. 16 (cont.)

Brown Towhee and White Crowned Sparrows -
Sometimes Juncos - In fact all birds
seem to be flocking in companies at the
best feeding grounds (White Rabbit)

Robin!

Jack Snipe!

Gray Jay 5 (generally with the Sugar Pine
and Blue Jay)

Band Tailed Pigeon 30 (one flock)

Juncos 15-20 (scattered everywhere)

Western Bluebird 20 (2 big flocks about 10
birds each)

seem to prefer the open areas
+ flocks rather than the narrow canyons

Western Gnatcatcher 1 (seem to be out fairly
on top of adjacent ridge)

Brown Towhee 15 (with the company of
birds, see under Juncos in the ridges)

many seen today
birds seems to be

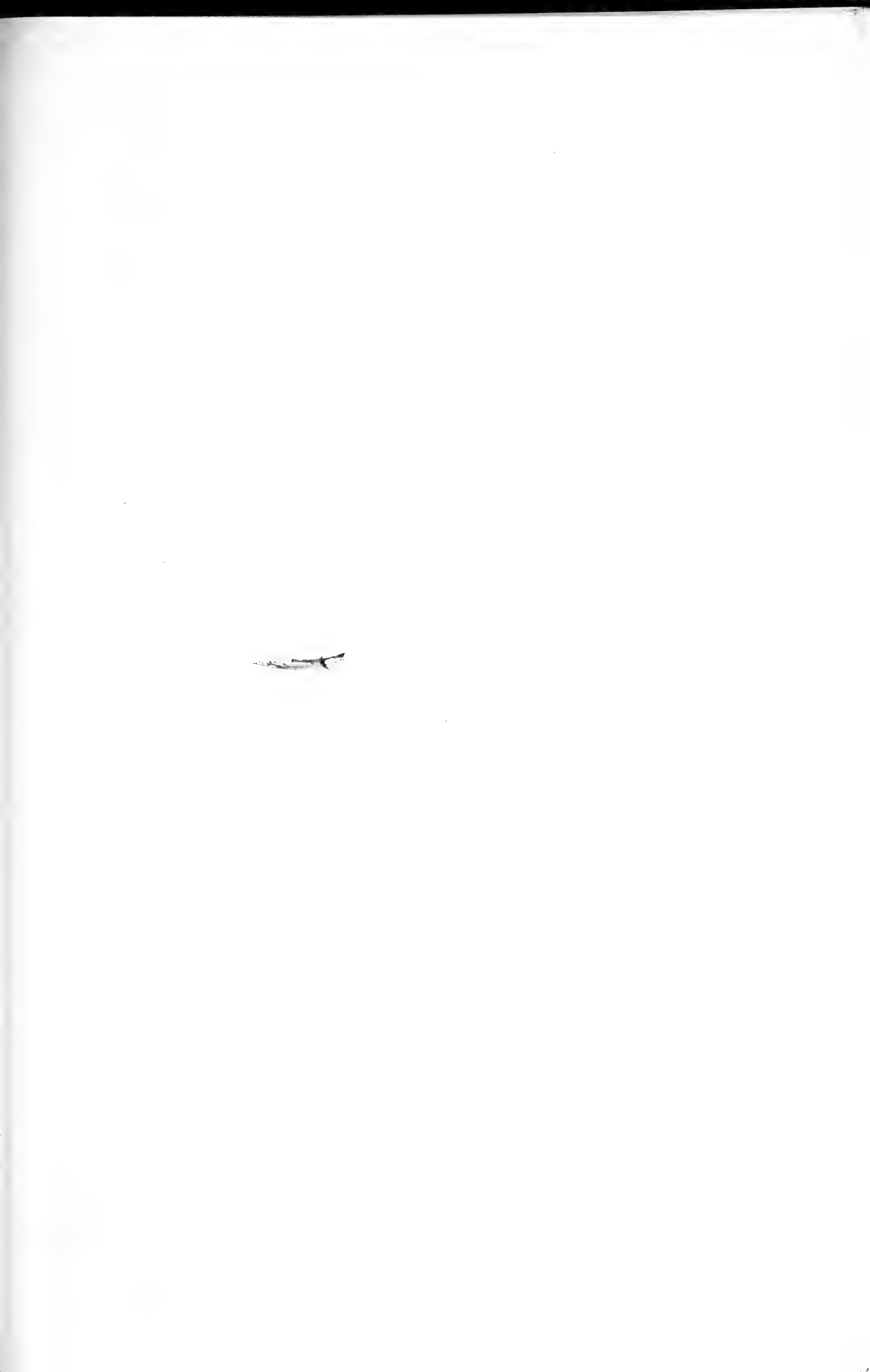
Spotted Towhee 35 (extremely abundant in
the bird companies in the ridges - see Juncos)

Jackey 5 (attracted)

Cooper Hawk 1 (on ridge near company of birds)

Jackey 2 (bats)

White Crowned Sparrows 20 ± (more common in
the weed areas + brush of flat canyon bottoms)



Yunker Ranch, 3300 ft., Walker Basin, Nov. 16, 1933

Belmont
1933

But then seen with bird companions, (occasional)
Red-tailed Hawk!

Coat. Valley Quail 20+ (one flock in brush +
knees of flat canyon bottom)
Audubon's Warbler 1 (as above)

Unknown 4

Citellus 10 (generally open flat near oats)
Deer 1 (one on side of bridge)
Neotoma 1 (in brush + "hot house" at head
of small dry ravine).

Cool day - wind blew & kept the
temperature - was fresh & quiet at 4:15

P.M. - Sets dark early these nights -
6:00 P.M. is dark & 6:00 A.M. is just
getting light. The evenings are much
for cool & work. As we can generally
check it out until 7:30 probably 8:00

Generally freezing by 9:00 P.M. -
& it is not much higher in the morning
that it begins to thaw out.

Check the deliberate shots with the
Ears today - can't seem to hit a damn
thing.

This evening at dusk I saw a large
cat - size of house cat or larger - flying
up toward Co. Canyon - Yunker Basin -
again -

Kautin Ranch, 3300 ft., Walter Brown, Nov. 16 (cont.)

Brown
1933

First note from 7:30-9:08 P.M. we talked with Mrs. Rankin, of the adjacent Rankin Ranch, about the history of Walter Brown since she first came in 1857.

Wm. Rankin, born in Missouri in 1847 and now 86 years old, came to early in '49 with the gold hunters party.

He spoke, Mr. Rankin, moved near the site (then feasible) and in 1857 moved to Walter Brown where he settled in the south-west end (present site of Walter Ranch) one mile N.E. of the present Rankin Ranch. He married with the Rankin family & now is, with several brothers, the new old timer of the valley - his brothers are in fact included.

- up to 1861 found

When the found of the Brown's history when Mrs. Rankin first saw it, there was then in the future country, there were only that a few ranches in the valley. These and children's were not much altered from the original.

Some of the found the timber of the foothills extended much farther out on & the the have in there, say 1/4 to 1/2 mile. Adjoining the first



Kautin Ranch, 3300 ft., Walter Basin, Nov. 16, 1933 (cont.)

Gilman
1933

a wide strip of used up grass and erodum
(California) but dead also later erodum
in grass. The erodum was as thick
that it was cut in hay. Quite thick
was common and annually gathered
the seeds of the up. The

The middle section (between the center
& SW part) was one huge area of erodum
which was the feeding ground for the
young in many ~~erodum~~ bears.

The center of the basin & part of the
SW arm near the ranch house of the
lighters & Kautin also occupied by
& large the erodum lakes, which

erodum & about in size occasionally
had a huge pile around which
occupied the site of the erodum

drainage stream just before it left
the basin (Barn Creek). Therefore
area & lakes were the homes of
many water birds & in winter there
were sometimes thousands of water fowl,

gray geese & cranes. So many cranes
wintered the basin annually that the
"Mexicans" had long called it *la Zancara* = the Crane. Of the ducks,
Mrs. Kautin remembers Mallard, Teal (sp.),

Shoveler (Cnvasback), and many others.



Xanadu Ranch, 3300 ft., Walter Davis, Nov. 16/1933

Davis
1933

Among the birds there was one band of
articles which were soon killed off, this
of mt. lion, deer and coyote. The
the collection of Ameghin deer ever
being taken by the white mts or anywhere
further. It is said that they were common
in the Breckin mts. (part west of Temple)
The water mouse was running free
least and much timber was cut &
kept the milk running.

1861-1880 F. period

In 1861 and 1882 there were very heavy
winter rains, which culminated in a
to west formation during January and
February of 1882. This had downpour
caused many washes & landslides
across the center of the ~~water~~ Basin
with sand & gravel, still looking much
of the lake, lake & closer. Top were
learned from the lake mts to the south
of the lake, 70 ± miles to the west.
This was of much of the shore, lake
and the channel. The physical aspect
of the basin - less animal life now.
Further, the marginal area of lake grass
and agavea protected greatly & for taken
desired occurs. Recent birds & deer taken



During this period the annual life duration
in numbers, the growth was retarded
being restricted but grain & year after
year is.

Walter Ruch, 3300 ft., White Mountain, 10/10/1933

Belmont
1933

~1880 F - 1916 Period ~

This period marks rapid decline of
annual life ^{increase & cultivation} & grazing
especially the introduction of sheep
which in a number of years grazed
the fields flat until they were
finally destroyed by fencing. However,
the seasons were much the same and
average rainfall was the same. Even
at that, the cultivation & overgrazing
the population was becoming nearly on the
same floor, and deer ground was
the general thing.

~1916-1933 Period

This period of 17-18 years is one
of continued drought - few rains &
not enough rain then - the country has
already dried up until the deer may
be overgrazed areas in the Brown
in the West end & the other the in
S.W. end. Several days finished and
for some of rain. Cultivation brought
back.



Kutik Ranch, 3300 ft., Santa Rosa, N.M., 16 (cont.)

Wilson
1933

In 1932 there occurred the heaviest
snow of this history - Dec 10 - March 10
1933 the snow lay on the ground all over the
Basin & did not melt till it was

generally damp. This heavy snowfall
probably caused a huge mortality of the
small open country rodents (*Perognathus*
and the deer, many carcasses were
found in the spring.

Wright has been having a cold that
but after he sawed for everyone but no
no freezing for it to come.

November 17, 1933

Cold mite - 70° F. at dawn - no rats
this a few corynes heard. - Mackaye
pick had stomach & trunks - no rats
day. Saw many trap line, but no a
good catch of rodents, then later
a road away but the mites of the tree
patch with logs, hoping to leave
it catch forest traps & anything else
are which may come along.

Good day - found some up the Basin.
Cock canyon, against my unprotected and
& made swimming in the hot asphalt
place and go after. went west we have
no means of heating the bath & soon

1933
Bonne

Yukon Ranch, 3300 ft., White River, Nov. 17.

cold days, skimming to different at last,
and - being strong we have to make by
8:00 P.M. due to freezing cold feet
and legs - Hackage left the following
morning to eat something substantial.
The bird came today

Nov. 18, 1933

big day at the skimming table - set some
traps in trees to catch nuthatches, Song Sparrows
and tree swallows - hunted around a no in
oaks at base of firs - noted that
the Calif. Jays are getting very wary &
hard to obtain. Took a Barry Owl but only the
oaks - it appeared perfectly white when
viewed from below - no evidence of very dark
as approached it on the ground; seemed
me only me as far as seen by Hackage
note call - 18° at dawn - day warm
(Thank God) - we nearly choked in indoors
at this season of the year. Hackage seems
fully recovered from yesterday's visit abroad.
The bird came - finished the lot.
This evening took a 3rd pair Nuthatches,
a white crowned sparrow, Song Sparrows and
a few other from my trash traps. Hackage
dove way up to the summit of the mountain, with
descent continuing soon west to below

Parker Ranch, 3300 ft., Malheur Basin, Nov. 18 (cont.)
 After lunch of traps for *Perognathus* *normalis*
 also shot 13 *Chusquea*, 20 *Peromyscus* *leucurus*
 and one *Peromyscus* *leucurus*
 Good evening - coyotes barked down canyon
 - seemed about each perpendicular with 30 ft.
 of bank-like gaps - the 9th local ranch found
 has shot 10 of a hybrid dogx coyote in
 the basin.

Gilmore
 1933

November 19, 1933
 Coldest night so far - 12°F at dawn.
 Fox trap lines then hunted up watershed
 Canyon just east of Parker's Ranch &
 and woods of alder - hot morning -
 cool, windy afternoon. No at all birds
 we were whistled by juncos from h.f.
 who met on gate & gave us all the
 left over food.

Fox trap lines & woods from memory of
 west from camp, just h.f., one *Peromyscus*
 & other birds & great oak & pine canopy
Peromyscus *leucurus* 20 (mainly on *Peromyscus* *leucurus*
 near road)
Peromyscus *leucurus* 10 (on *Peromyscus* *leucurus*
 & face mountain)

White-crowned Sparrow 20-25 (common)
 Flocks of about 20 singing within area
 Golden-crowned Sparrow 5 (on flocks - some)

Belmont
1933

Nov. 19, 1933 (cont.)

Xanadu Ranch, 3300 ft., Jackson Hole.

of the white Cr. Sp. may be the species)
Rabbit 10 (near outcrops)
Juncos 50-75 (in flocks in shrubs (oaks) in
brush - often with white Cr. Sp.)
Large flocks 6 (in rabbit brush - sage - with
flocks of juncos + white Cr. Sp.)
Spotted Towhees 30+ (common in oak + acorn thick-
ets)
House Wren 15 F
Shades Billed Nuthatch 4 (oaks)
Rus. Titmouse 6 (oaks)
Cay Woodpecker 6 " (fir over here)
Jay flocks 10 (brush, oaks, often with the
Cay Jay 12 (scattered - used stand & go
Jays 6 (scattered)
White Warbler 1 (oak)
Mt. Quail 30 (in canyons - generally with
water - where rapidly - used)
Red Tail Hawk 2
Shorelark 2 (in oak canyons)
Headscount 20 (open grassy fields)
Hedden 5 (flee marsh + wet area)
Crows 5 (up dry stream bed in oaks)
Agelaius auduboni 1 (rabbit brush)
Jays 1

Wilson
1933

Yankee Ranch, 3300 ft. White River.
November 20, 1933

Started the loop up the late path, across
the zone, up into densely wooded canyon
and back over the same route.

Sharp Shinned Hawk 1 (over canyon)

Western Bluebird 20 (on telephone wires)

average area next to road)

Kinglet 15 (with Bluebirds and in firs)

Golden-crowned Kinglet 3 (firs)

Robin 1 (along open area)

Titmouse 6 (" ")

Heather Hawk 15 (open fields & firs)

Thorned Lark 21 (" ")

Up to fence you pass 2 stream bed

Jack Snipe 2

White-crowned Sparrow 45+ (in thick

from 5-15 in heavy sage & about

brush, a census this month near timber

and water)

Ring Sparrow 2 (thick thick near

cedars and grass)

Quail 30 (flocks with White Cr. sp.)

Mountain Towhee 3 (oak brush

Green Jay 1 (oaks

Tree Woodpecker 2 (" "

Red Siskin 5 (oak + cedar + pine brush)

Red Jay 1

fewer 1000 feet to (in island near the

over land bearing over firs)

Bark T.L. 1 (heavy oaks)
lined flouhy 4 (oaks)
Spotted Towhee 2
Whitell Woodpecker 1 (oaks)
Susannah Sparrow 2 (gran near water)
Paser 1
Catharus mexicanus 1 (across the brush)
Citellus 1 (bare of heels - oaks and brush)

Mar. 20, 1933 (cont.)

14 miles south of Madison, 4400 ft., Tenn.
July. November 21, 1933

Water more we had last night in one
of the Pankin's guest beds - then a big
black cat (and we were almost entirely
out of milk) - then packed up - duck
"goats" & thank you to the Pankins &
share with out of water Pankin. The
hot connection between Madison and Big
was looking fine. It had got the
entire length of the morning when
Package was coming up to take the
last end of the Pankin & evidently it was
broken - when the we draw the water
out of the car every night. [Bought
5 lbs of gas from Pankin because the
only gas station in the Pankin wasn't
opening any more.]
Stopped at the Pankin Station & saw
Hudson as we came thru Nashville.
In Nashville we put the car in the
garage for a little inspection and a new
hot connection - dropped in & then
drove east to Madison. Stopped and
shot 3 Red Wing Black birds & 4 Brouns
Blackbirds from a flock of several hundred
birds with quite with cattle, 20-25
 Ravens and several Red tail Hawks.
The new some stage Pankins nearby,
& strikes 1 Bush Hawk

Sioux
1933

14 miles S Weldon, 400 ft., Sioux Co., Neb.
Nov. 21, (cont.)

In the prairie south of Weldon we saw
no stone larks while we had seen
them before when we drove north
Oct. 31

Camped in the hole in western corner
of Webb's field, 14 miles south of Weldon.
Change - the Webb Creek flows north out
if the side this was left fork of New
River - where Webb's valley runs south
from a point some 16 miles south of
Weldon. Lots of willows along upper
course of Webb Creek - desert country
with Joshua tree & cactus about -
lots of signs of *Ammodramus*, *Dipodomys*
terrestris.

In a small lake some refuge near
Julesburg in north of Julesburg are
and many Coots and some Mallards
and *Callisitta* ducks. - There are
Ammodramus just east of Julesburg
as well as a Cotton-tail Rabbit.
Warm - live longer - evidently not as
cold as white-bellied which is found in
its cool weather.
Found a large hole - hole in the open
prairie near Weldon - its reddish brown
back & white tail & white underparts
made it look like a *Tamias* but it was



2 mi. N. Donnell Ranch, Teton Valley, 4500 ft.
Kem Co., Wyo., Nov. 22, 1933

13 mi. Camp early in the Creek town
site - drive up toward Sage Lake
which is nothing but a name. Thursday
stopped out of the car & shot three
horned larks at edge of flat which
dreamed - there ~~horned~~ larks
appear larger than the ones later in
water flow. drove over the hump at
head of Star Creek & dropped down into
the head of Star Valley where the
Johanna trees are as distinctive. where
trees are former cedar in the
Creek valley. Star Washington before
Star Creek valley & Star Valley - the
former now north into Star Fork
valley of Teton was the latter south
into the Star fork. Both begin
at the same valley "in the hills"
& begin at Teton. where, the
striking vegetation of Star Creek valley
is willow & cedar which grow
along the creek. The north end of
Star valley is all Johanna trees, Sage
and Rabbit brush, and the Johanna trees
become scarce as we go south toward
to Star fork. where there
are few willows - this is due to a more

Blaine
1933



2 mi. N. Donnell's Ranch, 4500 ft., Nevada
Nov. 22, 1933

22 Nov
1933

Early terrain. Interviewed Mr. Jones - an old gentleman 86 F with white & gray beard & a kind of stokey attitude. He stated that most of the cabins in the country were occupied by mining interests that he might buy along the north east edge of the valley where canyons lead out from the steep high (7500 ft) east base of the Snake Mts. The west side of the Snake Mts. is the east edge of the Snake Mts. but one may look for lower elevations at 7500 ft in last day.

Went down part of the house & found many weathers place but found run out - the above high in property & his old cabin in latter part of creek where an abundance of willow & cottonwood grows - coming from here looking & higher in grade after they drive up toward the valley. Much of the vegetation, now a grassy open slope of the Snake Mts. There are vast up to 7000 ft and more west up to 7000 ft and valley - the the mt's adjacent are

2 mi N Towles Ranch, 4330, 4340, 4350

Blowers
4933

Much more and than farther south
also the valley floor seems to be
flatter. Several alluvial fans in
this part of the valley (and as down
see over) indicated or suggested
as we went down to canyon about
2 miles north of Towles Ranch
and these are at a spring
up in the north side country.
There is water here - in the area
doesn't hit the fault line give an
yells about 7:30 P.M. Shower, and
have water. It is just
west of Jack Doyle's Ranch.
In the Joshua tree of the flats
we saw some Jack Rabbits, Sage
Gophers, Cactus Wren, Cactus
Woodpeckers, a Roadrunner and
one house wren. Saw some shrubs
and one flock of quail. Frigate
Vale at Cottonwood Creek. No
other birds seen.
Package at end line of traps on this
page, 4330, 4340, 4350, 4360, 4370
see compared with water basin
head a specimen like found a few days
- it was "turning around" - found but 7



Illinois
1933

2 mi N Jones Ranch, 4500 ft., Deep Valley,
Nov. 23/1933

Warm note - no ants or corymbes heard
except one sternal out at dawn - we put
out no hand.

Left package & hauled out on 5 wheels
down with it down stream. Capt. L.
who trap netted many *Hydrophilus* - perhaps
Micheneris? - also *Neotoma lepida*, 1 *Perla*
fluv., & several *Perla* m. *perleus*.
No *Pteromalus*, No *Erythronus* -

Following Big & Hummel census n 8 3
hour walk from camp in canyon with
spring at edge of Biggs Pine - *Hydrophilus*
nest and one large bush & *Hydrophilus* &
back - 2 1/2 miles.

Brown lark 1 (rocks & brush near camp)
Juncos 2 (" " " " " " " ")
White crowned sparrow 10 " " " " " " " " "
Stage Sparrow 5 (near camp & brush at
edge of sage & Joshua)

Red tail 1 (sage & brush in pine)
Copper shaft 1 (" " " " " " " ")
Tanager 2 (sage floor)
Shrike (Joshua tree)
Cedrus arborescens 1 (" ")
" when 2 (sage brush)

Thatcher (sp?) 1 (rocks & brush at head
of canyon - first one seen on expedition
- collected with Paul Thatcher)



2 mi. N. Jorale Ranch, Nov 23, 1933 (Cont.)

Belmont
1933

Unknown 5
Amorphophallus 5
Repus 2

There are lots of white Cossid flares
larvae & stage flares, as well as a
few Ruby Cossid flares, Brown tortoise
larvae, which come with
the bats, Myotis, & large and
occasional much ~~and~~ about our camp
opening.

Warm day - the sun went about
11:30 & made camp quite chilly -
I had there isn't a suitable place
across the canyon to camp. I'd be
in the sun much longer.

Nov. 24, 1933

Warm night - 44° F. at dawn - a real
contrast from our Walker Basin Camps -
Heard briefly last night and forgot that
this morning. You my hapline No 1

Hapline No 1 - Rocks, willow, cornhusk and
page brush - sandy soil in bottom of canyon
near mouth on valley floor - Myotis and
have bats nearby 10 mouse traps -



Johnson
 1933
 Trip Record

2 mi. N. Jones Ranch, 4000 ft., Klamath Valley -
 Nov. 24 (cont.)

4 rat traps (the set at *Peromyscus* nests) and
 4 *Peromyscus* traps caught
 3 ♂ ad, 2 ♀ ad. *Peromyscus* traps
 5 ♂ ad, 5 ♀ ad
 1 ad *Peromyscus* (in effect set)
 Total 14 traps caught 13 mammals (10
 also taken from first two traps before going
 down to traps. *Peromyscus* traps in rocky
 and stony - change in *Peromyscus*
 and stony

Took a three hour walk down canyon -
 out into valley floor (but not into fork of
 + then went to rocky hill, then up
 canyon to 4000 - 4500 ft. level - then
 went along flank of but to camp -
 distance 3 miles

Stage flowers 30 ± (8 seen in the brush at
 spring water at camp - 15 ± seen in patches
 stuck at a sparse section of valley floor
 The only note heard has been a low chirp
 they were very high in pitch and very
 very much of a different kind to the black upper
 surface of the tail which is greenish blue
 of light + blue over back in field
 with like fur - often running in ground
 fast runners



Belmont 2m. N. Horse Ranch, 7500 ft., Palo Verde, 1933

White Cornish Spaniel 21 (in canyon)
Caly Jay 2 (in grassy meadow)
Black Tit 6 (in grassy meadow)
Blue Jay 3 (in grassy meadow)
Blue Jay 2 (in grassy meadow)
Blue Jay 2 (in grassy meadow)

Copper Hawk 1 (came on recorded yesterday)
Left leg broken by shot - seen this morning
1/2 mile away from shot at yesterday
Turkey Vulture 1 (Heavy oak brush)
Canyon Wren 2
Golden Eagle 2
Red Tail Hawk 1
Unknown 3

Immature 4 (Rocky & brush-sage)
Sparrow 8 (Brushy, rocky areas)
Golden Eagle 1 (sandy brushy flat)
House Wren 1 (oak, oak, brushy hillside)

Nov. 28, 1933

Warm mite - 49° at dawn - heard the
much the again last mite - no coyotes
heard - road late - 6:30 AM.

Trap line 1 - caught
2 ♂, 4 ♀ (accad.) ~~from~~ ~~from~~ ~~from~~



Belmont
1933

2 mi. N. of Beech, 4500 ft., Nov. 23 (cont.)

1 ♂ ad. 1 ♀ ad. *Peromyscus truei*
1 ♂ ad. *Perognathus carolinensis*

climbed up canyon - then over adjacent ridge to canyon to north - this is a narrow rocky canyon with water and willows in the bottom & a heavily wooded north facing slope - 3 miles or more N. of

towns - nearly all birds seen near spring at camp. - hillside & upper part of canyon normally about 4 birds per acre about 1 hour after light & seems to come from down canyon -

Remains abundantly all day. White Clouded Swallow 5 to 6 - at spring

Tower 4 (Flying Squirrel) *Thalassidroma* 1 (looks near camp) *Ceryle alcyon* 1 (more common today than usually -

Agelaius 3 (in willows near camp) *Junco* 5 (scattered small flocks) *Amphispiza* 1 (in higher part of canyon - shot in identification)

Junco 3 (rocks & brush) *Ala* 2 *Sceloporus* 1



Blaine
1933

2m. N. Bruce Ranch, 400 ft., Tule Valley -
Nov. 25 (cont.)

The heavily oak & pine (Riparian) country
covered with alfalfa where almost abandoned
fields - now over except last July.
The yellow pine on a north of alfalfa
country - now often in small stands
down valley to residence of Mr. & Mrs. Con-
(this can be local school teacher) & back
in a today's Cady Stanford football game
but the nation (the skyline in Tule Valley
was the creek & back up a flat
to use land as the local game of
game & deer hunting & some (perhaps)
When the story of the death by gun shot
of Mr. Heaver, ~~some of~~ in the corner of
the property we are "camped on". Also
"the guy" not "dipped in" - "Lepus"
had a fine "indistinctly" Heaver's foot at
coming in the guy who "not" "bunched"
Johnny, brought the stock & Heaver's
land. Now the Heaver's cabin are occupied
by some local boys - one an athlete
Helen, in a painting of a horse & in
a camera man in MGM & WFA & woman
London they are vacationing & negotiating
who visited by three great hunters who
gave us bowls of the coffee game & left.



Wilshire
1933

Nov 16, 1933

Warm note - 45° at dawn - no ants or
Coyotes - warm morning.

Trap Record

No. 1. now has 17 mouse traps, 5 rat traps and
ke other sets in canyon below. have now
included a weed growth in pockets in rock
and some brushy sandy hillside adjacent
3 ♂ ad., 1 ♀ ad. *Peromyscus truei*
2 ♂ ad. *Peromyscus boyleyi*

No. 2. - 5 mouse + 1 rat trap in granite crevices
- slight growth of a peculiar bush
1 ♂ ad., 1 ♀ ad. *Peromyscus boyleyi*
1 ♂ ad. *Peromyscus truei*

1 ♂ ad. *Neotoma lepida* (lepidota?)
No. 3. - 8 mouse traps set in grass & weed
of which thicker in deep rock pocket around

opening of water - wet grass present
2 ♀ ad. *Peromyscus boyleyi*
1 ♀ ad. *Peromyscus truei*

No. 4. 1 rat trap, 3 other traps in rocks
and brush of canyon below
1 ♂ ad. *Peromyscus truei*

Total 30 mouse traps caught 12 mammals
7 rat traps caught 2 mammals
9 other " " "

My correspondence as always regularly
forward from north - look like rain -
forecast 3 hours over 34 miles N



Blaine
1933

2 mi. N. Arrow Ranch, 4000 ft., Teton Valley
Nov. 26, 1933 (cont.)

rocky canyon, dry rocky ridge, & large flat
nearly all the land we over in the
ridges & takes around spring near camp
on the page flat of about 1/2 mi. N. E.
canyons - the ridges & steep rocky canyon
left & without water here almost devoid
of life. No houses but a few scattered
stages. The wildcat & traps in
evidence of them over.

Cut-fay 3 (on ridge & near camp)
White Corned Spurns 6 (at camp & at mouth
of canyon & Cañon de Chino)

Yellow 4
Red Corned Spurns 2 (oaks, & elsewhere)

Wink out on rocky floor
Commoned Spurns all one in oaks of rocky
canyon - one on rocks at camp

Stage Spurns 10 (at spring in camp & in
out on ridge flat - commonest bird
Western Bluebird 2 (in thicket & trees)

out on ridge flat
Red faced Hawk 1

Red Spurn 1 (large flat - rocks -)
Oregon Hawk 1 (on fence near house on
Canyon 2 (page thickets)

Shrike 1 (oaks & pines at head of hill)



Edwards
1933

Mr. Norrell Smith, Nov. 10, 1933

Dear Mr. Norrell Smith (or rocks of canyon side)
finding me over (Edwards has burnt + rocks)

Strange - no (immense) Berengeth's over
today - cloudy all afternoon and
afternoon by the afternoon (Edwards
thinks no quarters if it named for
him or got to work. There the
particular thing angle note out every
this evening at time from note or
finds rocky hillsides adjacent - Mackay
and investigated but saw nothing.

November 27, 1933

Learn cloudy note which cleared at dawn
windy day - saw 1 (Epistrophe) but
Edwards - had a long visit from the
Edwards who is vacationing at nearby
group of stacks. Learned that the (Edwards
Mackay, who was recently shot in a gun
fight, probably saw a line of 500
other traps - no wonder the (Edwards
are so scarce! - my other traps are
nearly wasted. In addition, (Edwards +
Ray - are trapping up + down the
base of the hills but are catching nothing



Belmont
1933

Trap Record

2 mi. N. Sonora Ranch, 4500 ft., 1/2 the valley
Nov. 27 (cont.)

No. 1. 1 ♂ ad, 1 ♀ ad, 1 ♂ juv. *Neotoma fuscipes*
1 ♂ ad. *Sitomys agilis*
1 ♀ ad. *Peromyscus truei*
1 ♀ ad. *Peromyscus boyleyi*

Apparently I am catching out the *Peromyscus*
and the other mammals (*Neotoma* & *Sitomys*)
have a chance to get caught - strange no
more *Perognathus* easy. - I should have
saved the first specimen but he was badly
killed about the head as I discovered
it - but the trap settings are close
to the rocks and weeds.

No. 2. 2 ♀ juv. *Neotoma lepida*

1 ♂ ad, 1 ♀ juv. *Peromyscus boyleyi*

1 ♂ ad. *Peromyscus truei*, *Sitomys*

I have great difficulty in determining the
species of *Peromyscus* caught in the rock crevices
which I am catching in *Sitomys*. The
apparently it is *Sitomys*.

Traps are close - 5-10' apart. 4 more
traps added - 1800 ft. 9 hours 1 nat.

No. 3. 2 ♀ ad. *Peromyscus boyleyi*
No. 4. 1 ♂ ad. 1 ♀ juv.

Strange my other traps catch nothing
the last two other than the - see
preceding page.



Williams
1933

2 mi. N. Jones Ranch, 4500 ft., Silver Valley -
Nov. 27 (cont.)

climbed up canyon - over ridge - down into
rocky canyon - back along base of hills
2 miles - 2 hours -
large sparrows 12 (all over about camp)
fox sparrows 1
finches 4 (heavy weathervane brush in hills)
Cay Day 3 (battered + used)
yellow faced hawk 1
bluebird 1 (sp?) probably when
red breasted sapsucker 1 (no spec. in. 3294
above in small thorn tree at edge of
hills in sage + sand)
white crowned sparrow 1 (in camp)
unknown 1
Zulmar 1

strange we have seen no more *Theraps*
The first seen was at the mouth of this
canyon & was positively identified by its
purple bill.
Had another long trail from Jimmums
& Ray this evening - package had
an egg day today - putting up a single
logged hawk almost got him down &
his one finger gave him trouble.
He Jimmums - camera man to MGM they
used, now vacating to health in the valley -
brought in a *Burrowing Owl* which he killed
near the road in the valley.



Williams
1933

2 mi. N. Jones Ranch, 4500 ft., Klamath Valley -
Nov. 28, 1933

Cold windy night - at times the strength
of the wind assumed the force of a gale - it was
dirt and dust everywhere - their job and a fair
all over & made things miserable all around
them's worried in all directions and the
weather appeared & rose all the makings of
a storm - decided to move down to
Heater's place with Ray & Jimmons at the
invitation - took in many of my traps &
are in the north canyon.

Trap Catch - poor
No. 1 - 1 ♂ ad. *Peromyscus boylii*
No. 2 - 1 *Perognathus* (only a portion of the
back left - badly eaten by some other mouse)
No. 3 - nothing
No. 4 - "

Watered 2 miles - 1 1/2 hours -
Raiser 4 (a fair few seen every morning
as far as they flew down to the valley
from the mountains at dawn)
Hairy Woodpecker 1 (heard)
Stage Sparrow 2 (around spring at camp)
Truce 3 (heard)

Cat. Jay 3
Pardon Towler 2 (fair in brush + rocks near S
canyon)
Sparrow 1 (rocks + brush)



Johnson
1933

2 mi. N. Horse Ranch, 4000 ft., Idaho Valley -
Nov. 28, 1933 (cont.)

Shore started to plow about 8 AM - when
died immediately - head - moved easily
down to nested oak - rays & summer of
water to the oak & a truck load of
wood - now olive & fall about 4:30
P.M. - cold - but up only a few others
unfortunately we have to work in an
unheated room.

November 29, 1933

Work with 3" mm on the ground and the
sky cloudy - absolutely nothing in those
traps which could be found - took a
3 hour hike in the morning thru foothills
from valley floor - in afternoon hike
from four hours thru the valley foot
Horse Ranch & out some other traps
with the meadow adjacent to Horse Ranch &
in pasture adjacent to our new home. The
gopher as rings are generally scattered, the
are more concentrated in meadows & gardens the
Horse Ranch in lower part of the valley.
Sand Census - 7 hours - 10 miles
Sage Sparrows 30 (distance facts of 5-8 seen
(in cage)
Brown Towhee 1 (flush
White-crowned Sparrow 17 (distance facts in bushes)

Johnson
1933

2 mi. N. of Somers Ranch, 4500 ft., Fresno Valley -
Nov. 29, 1933

- Tails 8 (scattered)
 - Brush T. 14 (2 flocks - one in brush - one in pine)
 - Tree (conceded Kinglet) 1 (pine)
 - Call day 1 (pine)
 - juv 1
 - Tree Shrike 1 (brush of rocky draw)
 - Heads lost 6 (one flock in field near Somers Ranch)
 - Thinning Dove 1
 - English Sparrow 3 (some at fence ranch)
 - juv 1
 - Painted Hawk (probably Red-tail) 1
 - Cactus Wren 2 (Joshua tree - one released when calling in short harsh notes like Blackbird)
 - California Towhee 1
 - Barn Swallow 3
 - Jack Rabbit 8
 - Marmot 1
- Two many rabbit tracks in the snow -
tracks noted
- Legs many in sage flats
- Hydrophages ("brush + rocks")
- Combs (acacia - flat topography bottom)
- Hypodermis (many in sage)
- Shrub (in back of creek bottom)
- Peromyscus ? (one)
- Sciurus ?

Bellevue
1933

2 mi. N. Bellevue Ranch, 4500 ft., Idaho Valley -
Nov. 29 (cont.)

Chickadee, Titmouse, & Wren. Not that many
seen in the ones covered by the
brought in a few from back way after
dark -

Nov. 30, 1933
Thanksgiving day - started with snow
- had dinner at Bellevue Ranch with
family - set a line of traps in that
open field - put in trap No. 4.
No. 1 - caught

1 ♂ ad. *Peromyscus truei*
1 ♂ ad. *Perogale gracca*

Obtained the following statements from your
boy friend - age 17 - who knows considerable
about the local fauna -
1. One mouse caught in valley recently
- 4 years ago, it was white.
2. One gray fox caught in valley floor -
more common on wooded ridges.
3. Badgers are scarce - he caught two
several years ago.

No more traps set out -
together traps set at Bellevue Ranch &
in pasture near camp caught -

Bellevue
1933

Belmonte 1933
7 mi. N. Jemez Ranch, 4500 ft., Teton Valley -
Nov. 30, 1933

Red - ♀ ad, 1 ♀ juv. *Thomomys*
Tolae - 18 traps - 7 gophers

December 1, 1933

Trap line 5 15 mouse traps set on same
flat covered with a curing red-stemmed, ornamental
plant at Jemez Ranch caught
Nothing - 2 traps sprung.

hunted on valley floor & came back through
Jemez Ranch where a thicket of willows and
white grass around a spring - the grass
has many white corned flowers, *Euphorbia*
flowers + 2 skit in Jemez Ranch
Two 3 hours - distance 5 miles

Large flowers 15 (couple of flocks)
white corned flowers 25 (reference large
flocks - large brush, willows, scrub oaks)
Jemez 5 (localities)

Day Flies 1 (at Jemez Ranch)
English Sparrows 15 (at the corners of Jemez
and Jemez Ranch)
Jemez 30 (one flock flying over
edge of Jemez)

Large character 1 (reference of Jemez
Jemez 3

Ammodramus
Jemez 30 traps - 20 gophers
Nov. 30, 1933

Johnson
1933

2 mi. N. Forest Ranch, 4400 ft., Texas Valley
Dec. 2, 1933

Another good night - everything good

Trapline 5 - 4 *Onychomys* set with them
and rocks for *Peromyscus* & *Sciurus* caught

Trapline 4 - 10 mouse traps, 2 rat traps
set in heavy + light cage, had rabbit burrow
of valley floor with some old - old mouse burrow

3 ♂ ad. *Peromyscus maniculatus sonoriensis*
1 ♀ ad. " "
3 ♂ ad. *Onychomys leucogaster*

3 ♂ ad. *Onychomys leucogaster*
These traps were set close together in the

heavy brush & far apart in the open flats
Trapline 3 - caught nothing at night
on 5 ad. *Onychomys leucogaster* in day

Trapline 4 (others) caught nothing -
1 ♀ ad. *Thomomys*
2 out traps on fence posts caught nothing

Total trap record
6 rat traps - 3 mammals
3 mouse traps - 6 mammals
3 steel traps - nothing
6 gopher traps - 1 mammal

Went down the valley & set out the
flat grassy prairie - 3 hours - 4
miles

2 mi. N. Horse Ranch, 4700 ft., & the valley
Dec. 7, 1933 (cont.)

Shake !
Sept 2.
Continue Patent !
Brown Patent !

Amnionophthalma 18.
Nothing seen or found except Amnion
and Amnion.

and Bluebirds:
Several pairs noted in house but
flying low down out of rocky canyon
to valley floor. - birds noted in

flying low down out of rocky canyon
 to valley floor. - birds noted the
 flying high down out of the mountains
 to the valley - evidently this is a regular
 occurrence, - hunting on valley floor is
 just as easy better - lots of Depos, etc.
 I have seen the same where Lark - once
 at Double Ranch once here at the shore

Dec. 3, 1933

1000

trap line 6 - caught 1 ♂ ad. *Peromyscus truei*
1 ad. white crowned sparrow } day catch
1 ad. ♂ *Ammodramus* } yesterday.

Belmont
1933

2 mi. N. ~~San Juan~~ Ranch, 4900 ft., Tolo Valley
Dec. 3, 1933

Track line 7 -
1 ♂ ad. *Dipodomys merriami*
1 ♂ ad. *Dipodomys deserti*
Trap line 8 - 10 mouse + 1 rat at
willows and water at spring on the
if water caught
1 ♂ ad. *Neotoma fuscipes*
1 ♂ ad. *Peromyscus maniculatus*
1 ♂ ad. 11 in. White Crowned Sparrow (day)

White settled coat - hair coat - then
it warmed up + a light tan - free -
now looked much 11:00 a.m.

December 7, 1933

Very dry - like most of them - cool
clear day - wind + clouds later in the
day - turning up on all clearable
specimens - look & coverage all along

Dec. 5, 1933

Left at crack of dawn - cool clear
night - temp about 30° F. or colder -
dove south out of Tolo Valley toward
Mukave - country between Tolo Valley
and the Mukave desert decidedly more
barren than the valley itself & no
timber on the "mountains" with the

1933
D. H. Moore

from a mason along side the road. Thorne rats decideably gather round set spots in the hollows. Large facts — (75-150) lumps on the road & scattered, also lay down thinner facts and a dozen or so to be seen. Also seen along the road — lying over the road from the black to the road at about we can see the road at close range — Arrived Friday at 11.00 P.M.

Large cut out with the valley and the valley — could not be seen at the valley — in the valley — Arrived have seen good places & camp — There is a good valley — at the front & thinner are also & the comm — at the end — Back camp, back (cut) of range is also also & the good for ammunition.

Walter Brown, Kern Co., Calif.
1933
R. S. Gilmore

Salmon
1933

5 mile Thompson Canyon, 3900 ft., Black
Bar, Tom Co., Calif. Oct. 8, 1933
Specimen list.

- 2818 *Hydra* caught in wet grass at edge
of small stream of water
Shot from creek
on floor of Thompson Canyon.
2820 *Luzula* 2.0 gm. - live in the water
bucket - black rodent fur above.
2821 *Batrachoseps* 88.4 gm. taken in dry
grass at camp.
2822 *Spotted Towhee* 8 in (olive 1/2 orange)
taken from brush patch on side of
canyon. - 4300 ft. - Red m. 35.
2823 *Spotted Towhee* 8 in. (olive 1/2 orange)
dry canyon bottom, near willows & water
Red m. - 39.6 gm.
2824 *Spurred Towhee* 8 in (olive 1/4 orange)
grass, riparian, willows associating 11.4
2825 *Western Bluebird* 8 in (2/3 olive opaque)
live wire in open country scattered
Musk. 75.0 gm.
2826 *Pileated Sucker* 8 in (almost juv.)
within pocket - 7.3 gm.
2827 *White Gizzard* 8 in. 19.8 gm.
dry hillside

Gilman
 1933

S. side Thompson Canyon, 3900 ft.,
 Walker Road, Kern Co., Calif.
 October 8, 1933

- 1818 *Neotoma lepida* ♂(?) - ad. - oak tree
 in bottom of canyon - 11.2 gms.
- 1819 *Box Sparrow* ♀ ad. - water sparrows in
 20.8 gm.
- 1830 *Calif. Jay* ♀ ad. 79.1 gm. - from
 higher pine on side of hill.
- 1831 *Gray Woodpecker* ♀ ad. 67.0 gms.
 taken while searching side of canyon.
- 1832 *Wren* 2.0 gms - wet grass at camp
 1833 *Western Towhee* ♂ in (about 1/4 opaque)
 51.3 gm. - within brush in bottom of
 dry canyon.

October 9, 1933

5 mouse traps set in dry grass &
 wet average area at camp caught
 1 ♂ ad., 1 ♀ ad., *Peromyscus maniculatus*
 2 ♂ ad., 3 ♀ im. *Reithrodontomys megalotis*
 These traps were run three times; first
 before 9:00 P.M. once this morning
 3 *Reithrodontomys* + 1 *Peromyscus* were caught
 before 9:00 P.M.

2 rat traps + 8 mouse traps set
 flat sandy ground area near stream



Thompson Canyon, 3900 ft., Walker Basin,
Yon Co., Calif. October 9, 1933

Blinn
1933

and live caught:

2 ♂ ad. *Dipodomys agilis*
before 9:00 P.M.

1 ♀ ad. *Pithecodontomys megalepis*

2 ♀ ad. *Perognathus californicus*
between 9:00 P.M. & 6:00 P.M.

Note - Measurements of Mammals

There are two ear-length measurements
one from ear to follows the hind leg
measurements, one from notch below
in front hairs, the ear from brown
measuresmen. 14.50 - 200 - 50 - 10 (12)

17834 *Dipodomys agilis* ♂ ad. 3.7-18.5-48-15 (18)
78.0 gm. Ant-grave - fresh assoc.
17835 *Dipodomys agilis* ♂ ad. 3.10-19.0-48-16 (18)
75.2 gm. as above. both caught before 9:00

17836 *Perognathus maniculatus sonoriensis* ♀ ad. 16.7g
15.5-17.7-21-15 (18) 4 sub x 2 - dry grass
assoc. near outcrop area.

17837 *Perognathus maniculatus sonoriensis* ♂ ad. 13.2
16.5-17.7-21-17 (19) 1.5 x 18; glands in neck
position. - same assoc. as above.

17838 *Pithecodontomys megalepis* ♂ ad. 11.0 gm. 13.9-66
18-12 (14); 1.5 x 11; neck glands evident -
same assoc. as above.

Thompson Canyon, 3900 ft., Walter Baer,
 from Co., Calif. Oct. 9, 1933 (cont.)

2839

1933
 Thorne

2840

Leithodentomys megalotis ♂ ad. 8.8 gm.
 135-67-15-11.5 (13) - mac. as above.
Leithodentomys megalotis ♀ ad. 11.6 gm.
 71-17-12 (14) 4 teeth x 3 (3 in one horn, 1
 in other) - mac. as above.

2841

Perognathus californicus ♂ ad. 208-117-26.5-10 (1
 20.7 gm. Bone conc. as *Perognathus*
 sand-gravel-bunch in sandy stream.
Perognathus californicus ♂ ad. 19.8 gm. 200-11
 96-16 (17.5) - bone as above - no.

2842

much
 teeth
 saved!

2843

Mya - caught in gravel camp.
 2841 evidently young.

2844

Aythya americana ♂ ad. 891.1 gm. 380-
 60 (mechanical on carcass) - 94-94 (77) shot
 by J. G. G. among higher bones near
 Bear Creek bed.

2845

Birds found in (about 7/8 opaque
 water by D. S. MacKay - shot from top
 of higher bone in lower part of
 canyon & crop full of acorns (green)
 of this oak. 325.7 grams.

Thompson Canyon, 3900 ft., Walker Basin,
 Kern Co., Calif. / Oct. 10, 1933

Belmont
 1933

Trap record

6 mouse-traps set in dry grass + at
 edge of orange area caught
 1 ♂ in. *Reithrodontomys megalotis*
 1 ♂ ad. *Peromyscus maniculatus sonoriensis*
 8 mouse traps and 3 cat traps set
 in sand-gravel - brush flat + under
 willow clumps caught
 1 ♂ + 1 ♀ ad. *Dipodomys agilis*
 1 ♀ in. *Peromyscus m. sonoriensis*
 2 ♀ in. *Reithrodontomys megalotis*

4 gopher traps set in damp ground
 2 female, caught garden caught
 1 ♀ ad. *Thomomys bottae*

2846
 2847

the lizard, 1.5 gr. on dry ground near can
Thomomys bottae ♀ ad. 116.5 gr. 217-69-19-
 caught in damp ground in garden patch
 at camp.

2848

Dipodomys agilis ♂ ad. 66.5 gr. 320-195-99-16
 sand-gravel - brush shrub.
 as above.

2849

Peromyscus m. sonoriensis ♂ 18.2 gr. 15
 69-19-16(18) - dry tall grass - open water
Peromyscus m. sonoriensis ♀ 18.1 gr. 15
 70-19-14(16) shrubs. x 8 - caught

2851

Thompson Canyon, 3900 ft., Water Basin,
 Kern Co., Calif. Oct. 10, 1933.

Belmont
 1933

✓ 2852

Peromyscus m. sonoriensis ♂ T.E. x 11; 14.8
 158-71-20-16(18) - taken by MacKaye
 dry grass area.

✓ 2853

Peromyscus m. sonoriensis ♂ T.E. x 15; 17.
 162-71-20-15(17) - as above.
Peromyscus m. sonoriensis ♂ 14.1 gm.
 153-68-20-15(17) - as above.

✓ 2854

Oct. 11, 1933

From traps we yielded one
Neotoma fda + one im. during
 the day catch - both were badly
 disturbed.
 Due to a heavy burst of rain
 in the afternoon all traps were
 sprung & were not set last evening
 as a rainy night was expected.
 No night catch.

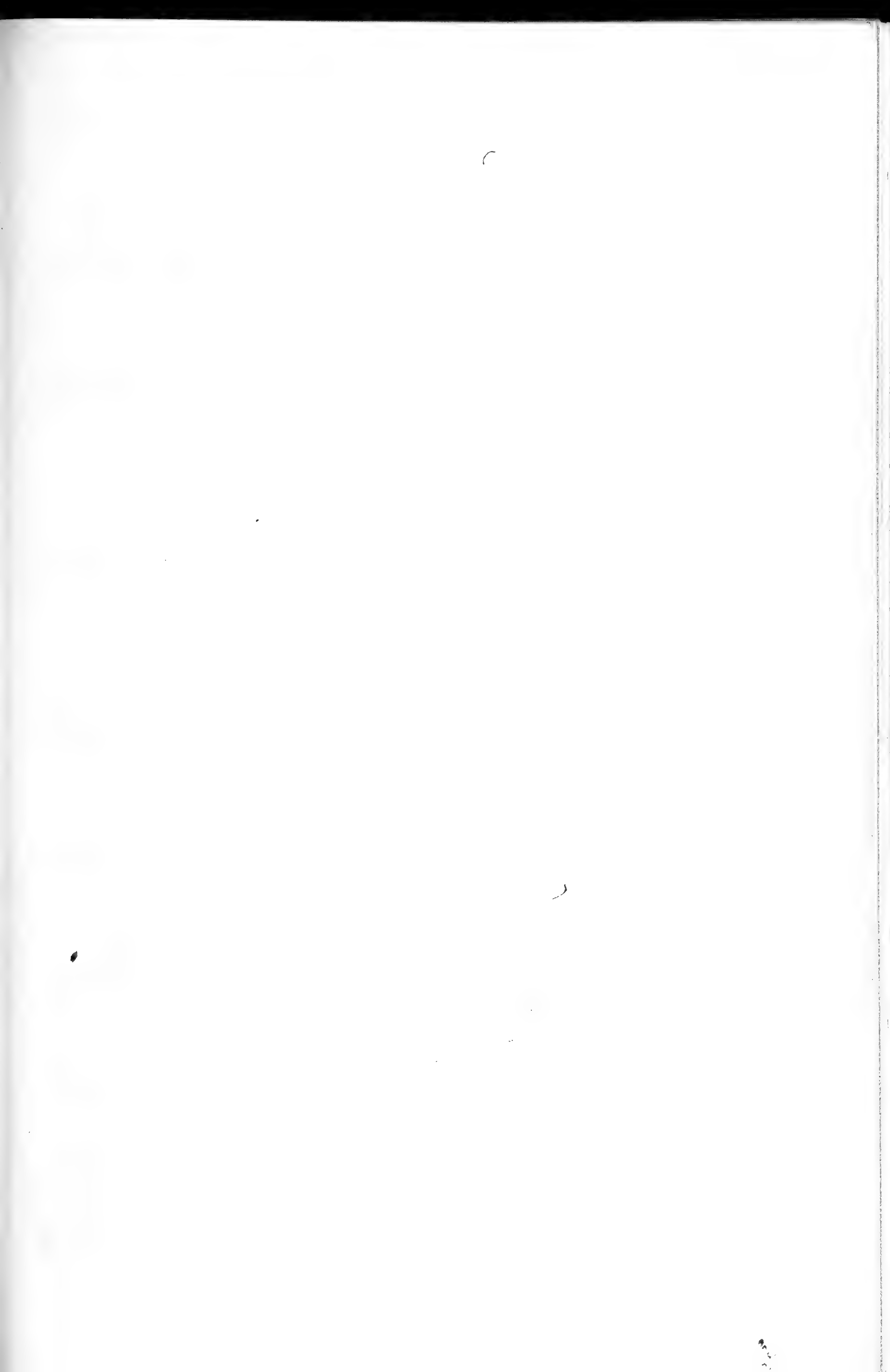
✓ 2855

Cedar Waxwing fm. 31.5 gm. Tail
 155. J. Gunned from a stick 15-
 flying over the Lagacetti field - first
 seen at this camp.
 ✓ 2856 (see Banded Flycatcher) ♂ im (ature 1/5
 41.8 gms. Shot out of the
 forest near the camp. 4

Belmont
1933

Thompson Canyon, 3900 ft. Water Basin
New Col. Hwy. October 11, 1933 (a)

- 2857 Spotted Towhee ad. ♂ 41.8 gm. Shot by J. Gammie - see his notebook.
- 2858 Spotted Towhee im. ♂ (oticle 1/3 opaque 39.8 gm. Taken by Gammie - ad above.
- 2859 Spotted Towhee ♂ im. (oticle 3/4 opaque), 86 Taken by D.S. MacKay on meadow near camp. Displaying with ad ♀; O.F. Filled in yellow packet when it had taken refuge when flushed from field of dry grass. Number jumps ♂ ad. 18.0 gm. Taken in yellow packet when it had taken refuge; was far into the deeper part of the thickets and was with an immature.
- 2862 slender Billed Nuthatch ♀ (2) im. (oticle 1/2 opaque) shot 17.9 gm. Shot by MacKay from blue oak on east of adjacent bridge. Not common here.
- 2863 Plain Titmouse ♂ im. (oticle 1/5 opaque), 13. Shot by MacKay from blue oak in south of open pasture area.
- 2864 Blue-backed Sapsucker, ♂ im. (oticle 1/2 opaque) 10.9 gm. Shot from dense willow thicket when it had taken refuge evidently from open grassy area.



Belmont
1933

Thompson Canyon, 3900 ft., Water Basin,
New Co., Calif. Oct. 11, 1933 (cont)

- 2865 Cooper Hawk im. not ♀ 388.7 gm. Shot
from upper part of Biggs Pine in
canyon bottom. Checked near trunk.
Skull 7/5 a more - weighed & weighed
2866 Sharp-shinned Hawk ad. ♂ 104.5 gm. Not
kg. 5. Quizzes as it flew over camp.
2867 Sharp-shinned Hawk im. approximately ♂. (skull
autically fragmented) - shot by D.S.
MacKaye from Blue Oak in open park
35.9 gms
2868 Sharp-shinned Hawk ad. end. ♂ 17.4 gm. Shot in
juniper tree on side of ridge near desert
One of back of head broken.
2869 Turkey Vulture im. ♀ 15.3 gm. - no other
2870 Calif. Jay im ♀ 79.0 gm. (skull 1/3 spag
skulled from dead yellow stump in forest
after canyon. In company with
at least one other.
2871 Song Sparrow ♀ approximately ad. 18.5 gm.
Caught in mouse trap set in yard of my
area under dense willow thickets.
2872 White Crowned Sparrow ♀ im. (skull 1/4
of age) 35.0 gms. (very fat) - caught
in mouse trap set in yard of my
2873 Western Bluebird ad. ♀ 71.8 gm. Shot
from top of dead pine near edge of
canyon.

Thompson
1933

Thompson Canyon, 3900 ft., Walker Basin,
Fremont Co., Calif. Oct. 12, 1933

11 mouse + 1 rat trap in dry grass, near
edges of edge of willows caught
1 ad ♂ + 2 ♀ ad, *Peromyscus m. sonoriensis*
1 ♂ ad + 1 ♀ ad, *Perithodion tomomys*

17 mouse + 4 rat traps in sand, gravel
Rabbit brush + willow thickets caught

1 ♀ ad. *Perodromys agilis*
1 ♀ ad. *Perognathus californicus*
2 ♂ ad, 1 im ♀ *Peromyscus m. sonoriensis*
1 ♂ ad. *Perithodion tomomys*
1 ♀ im. *Thomomys*

5 mouse + 2 rat traps set in meadow
+ dead pine timber among meadow
1 ♂ im. *Perithodion tomomys*
1 ♂ im. *Perognathus fuscus*
1 ♂ ad. *Peromyscus m. sonoriensis*

7 mouse + 1 rat traps set in wet
cottonwood scrub, willow + grass areas. caught
1 ad ♂ + 1 ad. ♀ *Thomomys californicus*
1 im. ♀ *Peromyscus m. sonoriensis*
1 juv. ♂ *Perithodion tomomys*

48 traps caught 18 mammals



Thompson Canyon, 3900 ft. Water Basin,
 Kern Co., Calif. Oct. 12, 1933 (cont.)

Feb 1933

2874 *Sceloporus*? - juv. caught in grass in canyon
 (about 1/2 in (about 3/4 in) to 1/2 in)
 about 1/2 in from edge of overhang
 area. Not noticed in field of a dozen
 or so in adjacent valley. 5.5 gm.
 2876 *Microtus* ♂ ad. T.E. x 20; 103.5 gm. 22-f-c
 22-13(17) caught under clump of willow
 near grassy overhang area - 3' away from
 the first specimen.

2877 *Microtus* ♀ ad. 75.0 gm. 198-56-34-13(17)
 taken 3' away from 2876.
 2878 *Peromyscus truei* ♂ ad. 23.0 gm. 193-95-
 75+22(24) T.E. x 14. Trapped in a
 crevice of granite at nearby rocky area

2879 *Dipodomys deserti* ♀ ad. 76.5 gm. 312-187
 48-16(19) - caught at base of Rabbit ear
 clump in sandy grass area.

2880 *Dendragapus californicus* ad. ♀ 73.9 gm.
 252-119-26-10(12) - same area. no other
 2881 *Perithodion* ♀ ad. (Teats x 10), 170.0 gm.
 152-70-17+13(14). Caught in dry fig
 grass area. 3 pairs mammae; 1 inguinal
 1 knee abdomen, and 1 thoracic.

2882 *Thomomys bottae* ♀ im. 103.0 gm. 204-
 58-28-57(6) - caught in grassy meadow
 next day.



Wilson
1933

1883

1884

Thompson Canyon, 3900 ft. Water River,
 Kern Co., Cal. Oct. 12, 1933 (cont.)
 ♂ T.E. 80.2 gm. 20.4-5.7-2.5-1.2 (1)
 day time catch in trap set in cage in
 which was growing heavy stand of
 grass.
 Green-backed Goldfinch ♀ in. (ovary immature)
 enlarged for about this age) 8.9 gm. Taken
 by D.S. MacKaye from Black Rock not far
 from camp. Had evidently been feeding in
 tall grass nearby.

October 13, 1933

Trap record

No mouse & 1 rat trap set in clay, light gray
~~between edge of alluvium & open field caught~~
 1 ♂ ad, 1 ♀ ad, 1 ♀ im. Perithodonomys

1 mouse & 4 rat traps set in sand-gravel
 rabbit brush, within thickets, grass, arroyo. caught
 2 ♂ ad. Perithodonomys
 1 ♂ ad. Perognathus californicus
 1 ♂ im. & 1 ♀ ad. Dipodomys agilis
 1 ad. ♀ Neotoma fuscipes
 6 mouse & 2 rat traps set in fire of
 granite rocks with some dead brush, &
 at edge of arroyo were caught:



Miller
1933

Thompson Canyon, 39 mi. N. of Lakeview,
New Mexico, July. Oct. 13, 1933 (cont.)

1 ♂ ad. + 1 ♀ ad. *Peromyscus truei*

1 ♂ im., 1 ♀ ad. *Peromyscus m. sonoriensis*

Mouse + 1 rat traps set in damp meadow
garden, creek, willow area caught
1 ♂ ad., 1 ♀ im. *Peromyscus*

1935 Long Sparrow ♂ im. (skull 1/3 ossified), 19.
Shot by D.S. MacKay from new bank at
edge of camp.

1936 Jay Sparrow + (juv.) - im. (skull 1/5 ossified)
Shot out of one willow thicket when
it had taken refuge from feeding at
in grass + weeds field. Measurements: 29.4

1937 Vesper Sparrow ♂ im. (skull 1/3 ossified)
29.7 gm. Shot in open area of sand
+ gravel + rabbit brush.

1938 Lawrence Goldfinch ♂, apparently ad. 10.1
gm. (skull completely ossified) - shot
by D.S. MacKay from dead blue oak
where it had alighted after being
flushed from nearby grass + brush. The

1939 *Phicinus* Sparrow ♂ T.E. x 18; 31.7 gm. 201
106-75-22(15) - caught in course of
large granite boulder in group of rocks



Thompson Canyon, 3900 ft., Walker Co.
 October 13, 1933 (cont.)

1933
 2890

Peromyscus truei Fed. (Teats x 20) 32.2
 2041-103-24-21(24) Caught along road
 later - fur found in group of granite
 boulders - same trap yesterday produced
 1 in. ammocore.
 1 in. ammocore, 1 lower abdominal, 1 thoracic
 190-111-27.5-19.5(H2) Trapped at base of
 Rabbit brush bush on gravelly ground on
 slope near camp.

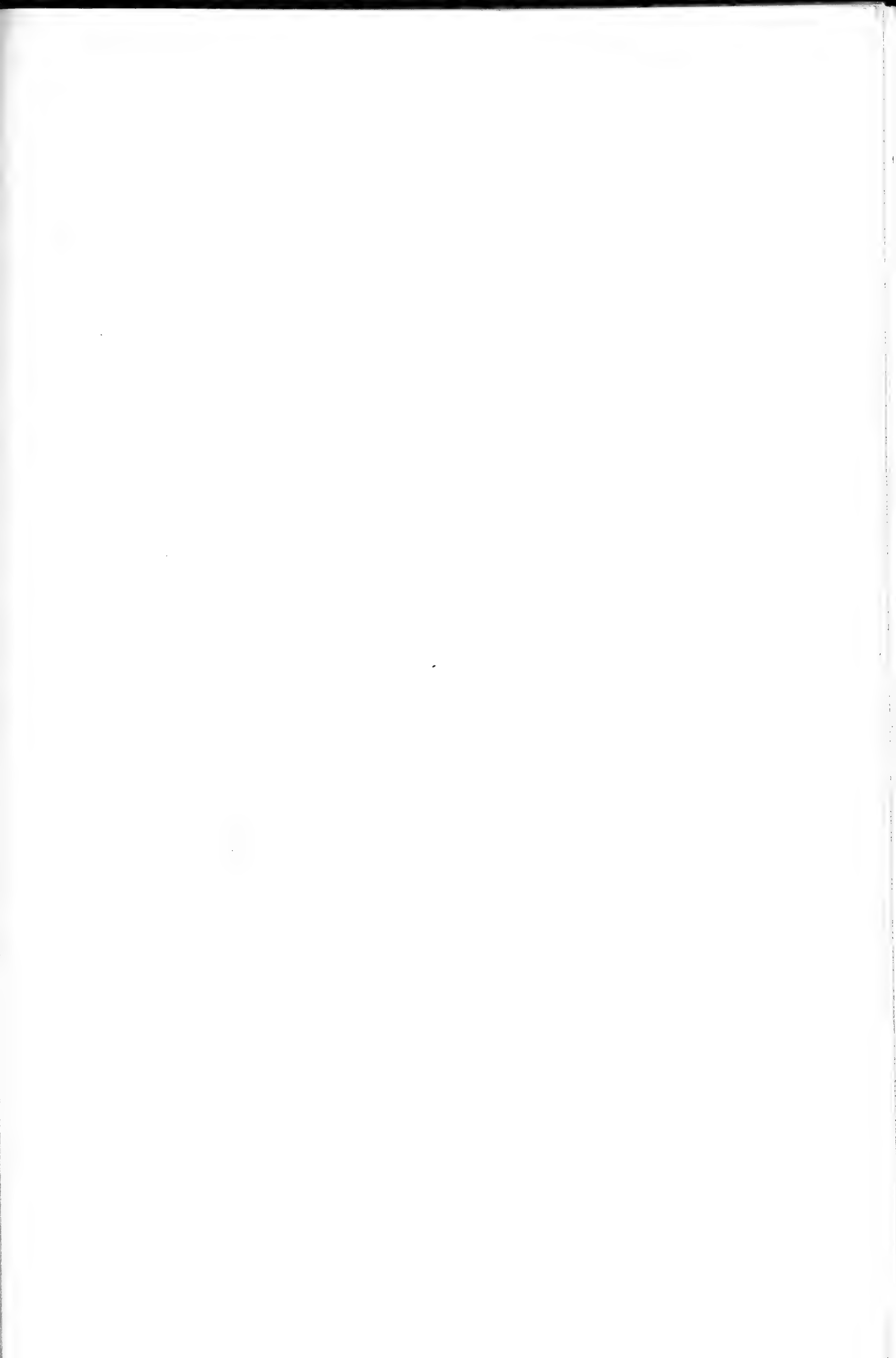
2891

Peromyscus agilis Fed. 76.5 gm. 315-10
 446-10(19) - Trapped near 2891
Peromyscus agilis Fin. 58.0 gm. 285-1
 46-16(18) - Trapped in bare sandy
 area in center of mesa flat covered
 with high weeds.

2893

Perithodonomys negatilis ♂ ad. 81 gm.
 142-73-17-12(14) Caught in grass + weeds
 2894
~~*Perithodonomys negatilis* ♀ ad. 4 embryos x~~
 (Embryos in formalin)
 12(14) Caught in grass + weeds.
 2896

Stained head - caught in dry sandy area
 in center of grass + weed patch. 5.0 g.
 Caught 1 ♀ out ad. *Thomomys* is the
 grassy meadows center this today. After no
 tracks seen - it was abandoned.



1933

Thompson Canyon, 390 ft., (Water Basin), Ten
Oct. 13, 1933 (cont.)

- ✓ 2897 *Peromyscus maniculatus sonoriensis* Fed. 13
1931-73-20-16.5 (18) Feat. x 16. Caught
in oak file adjacent to meadow.
✓ 2898 *Hesperomys* f 75.7 gm. 365-152-
39-27(31) (skull shows evidence of
recent pregnancy) caught under roots of
oak. Outworn out year grassy field.
✓ 2899 *Sciurus hudsonicus* Fed. 151.0 gms.
Skull from upper branch of sugar
oak. My attention drawn to
also secured by its short notes.
✓ 2900 *Callospermophilus* f in. (skull 1/2 opaque).
78.0 gm. - Killed as it was flying
overhead - gray & red band.
✓ 2901 *Callospermophilus* f in. (skull 1/2 opaque)
75.5 gm. - Shot from within thickets
during dry month - with 4-5 others.
✓ 2912 Sharp-shinned Hawk Fed. 164.4 gms.
Killed by D.S. Mackay at 6:00 AM.
It was perched on a dead sugar pine
in center of open area.
✓ 2903 *Lepus* 850 gms -130-145 (175), 140.7
Killed on open flat covered with rabbit
feces. Tail measurement taken on



Bikmore
1933

Thompson Canyon, 390 ft. above Bar, New
October 14, 1933

Trap Record

2 mouse traps set in grass + weeds
near to average area - caught:
1 ♂ ad., 2 ♂ im., 1 ♀ im. *Peromyscus m. sonoriensis*
2 ♂ ad., 1 ♂ im., 3 ♀ im. *Reithrodontomys*

2 ♂ mouse, 8 ad., 1 abn., set along
willow brush, in sandy ground, and
on open sandy ground covered with
rusty bush caught:

2 ♂ ad + 3 ♀ ad. *Dipodomys agilis*
1 ♀ ad. *Thomomys*
1 ♂ im. *Peromyscus truei* (?) 1 ♂ im. *Peromyscus truei*
1 ♂ im. *Reithrodontomys*

8 mouse traps set among granite
rocks near willows + caught also caught
1 juv. *Peromyscus m. sonoriensis*

8 mouse traps set among grass, and
willows right in the + a large I was
caught nothing.

5opher traps set in dry
grassy meadow + sandy stream caught
3 ♀ ad. *Thomomys bottae*

3904 *Peromyscus* - caught in mouse
trap set at base of large granite rock.



Thompson Canyon, 39 mi. N. of Barstow, San Bern Co., Ca

October 19, 1933 (cont.)

Johnson
1933

2905 Ruby Curlew ♂ ad. 5.5 gm. Shot on dead sugar pine in open stand on floor of valley.

2906 Phalarope ♀ im. 14.8 gm. (taken 1/4 sparrow) shot from same willow thicket at edge of grass + weed area where it had been

2907 Wilson Woodpecker ♀ ad. 24.5 gm. Shot

by D.S. MacKaye from sugar pine at edge of Brown Towhee thicket. (Others 2/3 omitted)

2908 50.1 gram. Shot by D.S. MacKaye from

little oak close to camp - canyon bottom

2909 Dark Sparrow ♀ im (Others 1/2 omitted) 25.9 gm. Shot by D.S. MacKaye.

Day trap catch
2 ♀ ad. + 1 ♀ im. *Nicrotus* in grass at edge of water under dense clump of ~~willow~~ willows 1 ♀ ad. + 2 ♀ im. *Thomomys* in dry grassy area -

1 Spotted Towhee in willow thicket
1 *Sceloporus* at edge of down log.

2910 *Sceloporus*, 19.0 gm. caught in ground log set at edge of oak log in sandy, brushy willow thicket area. Area just outside

Boyd
1933

Stump Canyon, 390 ft. above Burn, Pan Co., Cal.
Oct. 14, 1933 (cont.)

2911

Thomomys caninus (?); ♂ juv. 15.5 gm. 160-
20-16.5 (18) caught on sandy ground
at base of rabbit brush + edge of dry wash.
Thomomys talpoides ♂ ad. 152-76-17
12(14); 12.0 gm. Caught in dry wash +
grass area near camp - the "place"
where are the mounds seen from 1.7

2912

Thomomys ♀ ad. 184-50-22-12(14). 46.8
grs. Caught in sandy soil at base of
rabbit brush bank + wash - a good
set in *Thomomys* - 20 ya from grass
thick willow thicket.

2913

Neotoma lepida ♂ ad. 405-180-47-28
315.7 gm. Caught in willow thicket
in dry creek bed.

2914

Thomomys bottae ♂ ad. 245-85-34-40
203.5 gm. Caught in dry sandy creek
Thomomys ♀ ad. (3emb x 6) 200-57-27-12

2915

85.4 gm. Deeper in wet grass + debris
under dense willow thicket in average area
afternoon catch.

2916

Thomomys ♀ ad. (4emb x 12) 205-57-26-13
92.0 gm. - data as above (2916)

2917

Thomomys bottae ♀ ad. 218-65-29-4(6)
130.1 gm. trapped in dry soil + grass
at foot of willow

2918

Billings
1933
2919

Thompson Canyon 3900 ft., White River, Tenn.
Co. Kelly, October 14, 1933 (cont.)
Total 8 ad. 55.4 gm. Shot this evening
acit. then over welland thicket.

October 15, 1933
Trap Record

20 mouse traps set in grass + weeds near
outcrop area caught
2 ad, 3 ad, 1 im. *Perithodactylus*
1 im. *Peromyscus maniculatus monomys*

13 mouse, 8 ad, 1 other trap set along
under brush, rabbit brush + on open sandy
ground caught
1 ad. *Peromyscus m. monomys*
1 ad *Peromyscus truei*
1 ad *Perithodactylus agilis*
1 ad. *Perognathus californicus*

8 mouse traps set among granite rocks
at edge of rocks, *Perognathus* + other sandy
ground caught
1 ad. *Perognathus californicus*

18 mouse traps set in wet grass, some
+ under willows caught

Wilson
1933

Thompson Canyon, 390 ft. Water Basin,
New Co., Calif. Oct. 15, 1933 (cont.)

1920 *Lizard (Sceloporus)* in. ? Caught on wall
of tent on inside.

1921 *Alouatta palliata* in. (Ear) - 3.6 gm.
Shot from side of yellow thicket in creek bed.

1922 *Wandering Tanager* 3 in. (Other species
entirely transparent) 11.6 gm. Killed
by D.S. McKeage in yellow thicket on
Barro Colorado. Shot almost beyond
recognition -

1923 *Ant House* ♂ ad. 15.8 gm. Shot by D.S.
McKeage from thicket on adjacent ridge.

1924 *Rock Wren* ♂ in (Other 2/3 opaque)
15.4 gm. Shot by D.S. McKeage from
rocky bottom of adjacent ridge to the north.

1925 *Meadow Lark* ♂ ad. 136.6 gm. Shot in
open field covered with grass & rabbit
dung. Only one seen.

1926 *Yellow Woodpecker* ♂ ad. 38.4 gm. Shot
by D.S. McKeage at Barro Colorado
from higher tree.

1927 *Blender-billed Nuthatch* ♂ ad. 16.9 gm.
Shot by D.S. McKeage out of Biga tree near creek
Dung 2 in. (Other 1/2 opaque)
16.3 gm. Shot from Black thicket

1928 *Orange-throated Parrot* 16.3 gm.

Williams
1933

Thompson Canyon, 3900 ft., water bar, Jan. 1933 (cont.).

✓ 2929

Thunder Dance Fin. (skull almost intact)

Translucent 16.0 gm. Shot by D.S. MacKaye from cottonwood at Bear Creek

✓ 2930

Forville Tad. 44.8 gm. Shot by D.S. MacKaye as he looked at from rocks

✓ 2931

Dipteryx 8 ad. 310-175-49-17(20); 86. half way up adjacent ridge.

✓ 2932

Longhorn 8 ad. 73.3 gm. caught at base of rabbit brush in sandy area

✓ 2933

Rock log at edge of sandy area. (containing 3) (containing 3) (containing 3)

✓ 2934

Shot by D.S. MacKaye in. Shot by D.S. MacKaye in. Shot by D.S. MacKaye in.

✓ 2935

at Bear Creek from Dyer Ave. 67.7 gm. Shot by D.S. MacKaye

✓ 2936

Translucent 16.0 gm. Shot by D.S. MacKaye from Dyer Ave. at Bear Creek

Thompson Canyon, 3900 ft. North Branch, New Co.,
 Calif. October 16, 1933

September 1933
 Trap Record

13 mouse traps set in dry grass fields
 1 ♂ juv., 3 ♀ ad. *Perthodonomys megastotis*
 1 ♂ juv. *Peromyscus m. sonoriensis*

3 mouse + 5 rat, 1 other trap set along
 willow brush - dry - caught

1 ♂ ad. *Perognathus carolinensis*
 1 ♂ ad. *Peromyscus truei*
 1 ♂ ad. *Neotoma fuscipes*

8 mouse + 2 rat traps set in canyon area
 + Rabbit brush caught
 1 ♀ ad. *Dipodomys agilis*
 1 ♂ ad, 1 ♀ ad *Peromyscus m. sonoriensis*

13 mouse + 1 rat trap set in out grass
 beneath heavy willow thicket caught
 1 ♂ ad, 1 ♀ juv. *Perthodonomys megastotis*
 1 ♂ ad. *Thomomys*

8 mouse traps and 2 rat traps set among
 granite rocks at edge of willows caught
 1 ♂ juv., 1 ♀ juv. *Peromyscus m. sonoriensis*

Helms
1933

Thompson Canyon, 3900 ft., Walker Basin,
New Co., Calif. Oct. 17, 1933

Trap Record

15 mouse traps set in dry grass and weeds
1 ♂ ad., 2 ♀ ad., 1 juv. *Perithodonto*

3 mouse + 1 rat trap set along dry willow brush
1 ~~fat~~ ♂ ad. *Peromyscus* sp. ~~Peromyscus~~

8 mouse + 2 rat traps set in sandy soil, one
brush caught

1 fat. *Eutamias* agilis

10 mouse + 1 rat trap set in wet grass
under heavy willow thickets.
3 ♀ ad. *Perithodonto*

8 mouse + 2 rat traps set in grassy field
1 ♂ juv. *Peromyscus* truei

2945 Cat. Jay ♂ ad. 95.8 gm. Shot from
edge on side of canyon - 1 other mouse
eaten (mouse 3 in. (skull 1/2
ovoid) Shot by D.S. MacKay from
western facing open camp, no company
with White Cornmeal shavings.

2946 Golden-crowned Sparrow ♂ im. (skull 1/2
ovoid) Shot by D.S. MacKay from
western facing open camp, no company
with White Cornmeal shavings.
2947 Steel Jay ♀ im. (skull 1/4 ovoid)
Shot by D.S. MacKay from
western facing open camp, no company
with White Cornmeal shavings.

Belmont
1933

Thompson Canyon, 3900 ft., Walter Basin, Fremont
Co., Cal., Oct. 17, 1933

2998

Red Throated Loquax in. Int. ♂ (Actual 'before' shot by D.B. MacKay from Black locust tree in edge. - now other fruit. 42.3 gms)

2999

Thomomys 19.3 gms. caught during the day in a mouse trap set among granite rocks. Other Allegre lizard was also caught among rocks but in a different place.

2950

Rain daffodil ♂ ad. 14.8 gms. shot from Blue Oak in which it had just flown. On dry hot hillside with scattered trees (oaks & pines)

2951

Parus lutes ♂ in. (Actual 1/2 enlarged) 13.6 Shot out of ceanothus bush on dry hillside

2952

For will ♂ ad. 47.9 gms. shot among rocks & brush on steep slope & adjacent hedge when flushed underfoot of trees about the

2953

Yellow-billed Nuthatch in. Int. ♂ (Actual 1/2 enlarged) - shot by D.S. MacKay from oak out on lower slope of ridge; the other also fruit.

2954

Williamson's Sapsucker ♀ ad. 45.6 gms shot by D.S. MacKay from Black

Longhorn Canyon, 3900 ft., (Water Basin)
 Your Co., Calif.; Oct. 17, 1933 (cont.)

October 1933

2955

Stomach contents of range sheep from Black Mt. in the area of the range. The sheep of the range are often away from the range.

Stomach Aired in female.

October 18, 1933

Trap Record

10 more traps set in dry grass and weeds

1 ♂ ad. *Microtus*

1 ♂ ad. *Peromyscus m. sonoriensis*
 1 ♂ m., 1 ♀ m. *Perithodonomys*.

3 rat

6 more traps set in sand, dirt, brush etc.

1 ♂ m., 1 ♀ m. *Peromyscus sonoriensis*

10 more + 1 rat trap set in wet grass under heavy willow thicket caught nothing

8 more traps set among granite rocks nothing

6 rat + 2 mouse traps set in dry brush

Belmont
1933

Thompson Canyon, 3400 ft. White River,
Fremont Co., Calif. Oct. 18, 1933 (cont.)

2956

Black Turnstone ♀ im. (actual 1/2 covered)
Shot by D.S. MacKaye ♂ out of flock of 2
in willows on marshy ground at Brown
Creek. 10.9 gm.

2957

Downland Petrel ♀ im. (actual apparently
2/3 chagor) shot from top of 100' digger
from near camp - no hole heard - at
stroke badly pinched in side. 57.2 gm.

2958

Cedar Waxwing im. not. ♂ 40 gm. 1/3 only
Shot by D.S. MacKaye from juniper tree
in center of flat near camp. Volume.
Mountain duck ♂ evidently im. (1/2 ♂
actual less covered than not.) 75.5 gm.

2959

Shot out of flock of 15-20 which were
in heavy dense thick brush & timber on
steep canyon side. Canyon forest low
back from camp. Stroke very noisy.
Audubon Warbler im. and ♀ (actual 1/2
covered) 11.2 gm. Shot by D.S. MacKaye
from willows along Brown Creek.

2960

Red Winged Blackbird ♂ im. (stroke 1/2
covered) shot from dead apple tree
in bed near camp - volume. 49.3 gm.

2961

2962 *Tritophis*
caught in shed as it was
leaving.

Billings
1933

2963

Sparrow 242 - ♂ 3 in. (skull 1/3 crushed)
Shot at edge of dense willow thicket - with
one other. 16.7 gram.

Levin Woodpecker ♀ 1 in. (skull 2/3 crushed)
Shot by D.S. MacKaye from top of dead
sage pine near Bobo Creek. Each
time it took flight while being pursued
it landed on the top limb of dead pine
sk. ~~99.4~~ 99.4 gram.

2964

Trap Record
not
October 19, 1933

17 mouse traps set in dry grass & weeds &
willow brush caught.

1 ♂ in. 1 ♀ in. *Onomyscus m. sonoriensis*
1 ♂ ad. *Reithrodontomys*
1 ♂ ad. *Neotoma fuscipes*

10 mouse traps at dump grass under willow
2 ♀ *Peromyscus*

7 cat + 3 mouse traps set in dry brush & trees
1 ♀ in. *Neotoma fuscipes*

2965 Bush tit ♀ in. (skull 2/3 crushed) 5.4 gm

Thompson Canyon, 3900 ft. Alaska Basin, Ken Co.,
Calif. October 18, 1933

Belmore
1933

Thompson Canyon, 3900 ft., White River,
San Joaquin Co., Calif. Oct. 19, 1933 (cont.)

2966

One Shrike in. and ♀ (okule 1/3 only) in
shot from rabbit brush, near on which it
was feeding near Bear Creek; leg D. 5.1 mm.
Calf. Single tooth 5 in. (okule 1/3 only)
Shot by D. S. MacKaye from Blue oak in
Bear Creek. 346 gram. Heavy (dog
skin over about.

2967

(see notes mutilated by shot) 20.4 gms.
Shot by D. S. MacKaye from willows in
Bear Creek.
2969 Lutulent Warbler ♀ in. (okule 1/3 only)
9.0 gms. Shot from willows near camp
by D. S. MacKaye.

2968

Warbler? - in. but ♂ (okule 1/3 only)
(see notes mutilated by shot) 20.4 gms.
Shot by D. S. MacKaye from willows in
Bear Creek.

2970

Shrike in. (okule 3/4 only)
16.5 gms. Shot from small juniper bush
at edge of rocky draw - one other bird
seen in draw in ♂ - (okule 1/2 only)
26.2 gms. Shot from juniper branches of
draw from 1 in. rocky draw - three.

2971

Shrike in. (okule 1/2 only)
26.2 gms. Shot from juniper branches of
draw from 1 in. rocky draw - three.

2972

Shrike in. (okule 1/2 only)
26.2 gms. Shot from juniper branches of
draw from 1 in. rocky draw - three.

2973

Shrike in. (okule 1/2 only)
26.2 gms. Shot from juniper branches of
draw from 1 in. rocky draw - three.

Bulwer
1933

From Green Canyon, 3900 ft., Walker Basin,
San Joaquin Co., Calif., Oct. 19, 1933 (cont.)

2974 Red-winged Blackbird ♂ ad. 62.0 gm.
Same data as 2973.

2975 Red-winged Blackbird ♂ ad. 65.2 gm.
Shot from top of dagger pine near
camp. Uttered long low note single
notes emitted. With one other. Note

a "mutter" & last note black as
water this morning.
2976 Red-winged Blackbird ♂ im. (okube 1/2 confirmed) 58.6
From shot from dagger pine in same
area. Shot. 1 other present at time
2977 Red-winged Blackbird ♀ im. (okube 1/2 confirmed) 9.9
From shot by J. L. MacKaye from
dagger pine near Basin Creek. Same.

October 20, 1933

Revised

15 mouse traps set in dry grass & weeds early
1 ad, 2 im. Reithrodontomys
1 ad. Dipodomys agilis

10 mouse traps set in wet grass with
dense willow thicket caught
2 ad, 1 im & Thomomys
last of forest

Billmore
1933

Thompson Canyon, 3400 ft., Lake Basin,
New Co., Calif., Oct. 20, 1933 (cont.)

2978

Spotted Towhee in ♀ (actual $\frac{3}{4}$ opaque) 36.5
Shot from willow brush at Baker Creek.
Spotted Towhee 5 in (actual $\frac{2}{3}$ opaque) 31.5
data as 2978.

2980

Cuck. Jay ♂ in. (actual $\frac{3}{4}$ opaque); 92.5
Shot from willow brush in Baker Creek.
Cuck. Jay ♂ ad. 91.5 gr. Shot from degree
thin on sharply angled willow; seen
after sunset.

2981

Chimney Swift ♂ ad. 18.0 gr. Shot from
willow thicket in Baker Creek. One of
stock of dozen or so.

2982

2983 Cuck. Jay ♂ ad. 21.7 gr. Shot
in thin rabbit brush that was at
red tree feeding upon flower parts, almost
dark Sparrow 1 in. (other 1/2 omitted)

2984

Shot by 0.5. MacKays on rabbit brush
just near camp. - 24.7 gr.
2985 Cuck. Jay ♂ ad. 20.0 gr. Shot
at Baker Creek from willow by D.S.
MacKays. - one of a flock of couple dozen

2985

1 mi. S Tawite, 3400 ft., New Co., Calif.
October 21, 1933
1934 Red Tail 1 shot

Balance
1933

2987

Branch Meadows, 6700 ft. Vaute Mts., Tenn Co.,
Cady. October 22, 1933

2988

Cassin Purple Finch. 25.4 gram. Shot
out of yellow thicket 1/2 mile above camp
Several other present - no call notes heard.
Heads. Bledg Nuthatch 8 in (skull 1/4 covered)
17.4 gram. Shot from yellow pine in
canyon bottom - one other present at time
Mountain Chickadee 8 ad. 10.9 gram. Shot
from yellow pine in canyon bottom.

2989

Several other present.
Cass. Sparrow 8 in. (skull 1/4 covered) 29.
Shot from yellow thicket at camp.

2990

Sharp-shinned Hawk, White Co. Sparrows also from
from lower branches of yellow pine where
it had been after being flushed from
nearby yellow thicket. Canyon bottom.

2991

Another through over within 50 yds.
34.5 gram. Shot from top of black oak
in canyon bottom - no notes heard -
near others present.

2992

15 lb. package from yellow pine on adjacent
ridge. - 3 others present.

2993

1994

Belmont
1933

Church/Bach, 6700 E. Laurel Mt., Torco,
Calif. October 22, 1933

2995 Bluebird Western Fin. (skull $\frac{1}{5}$ analyzed)
Shot by D.S. MacKaye. in open grassy
field from orange willow. 23.8 grams
2996 Green Jay ♂ in. (skull $\frac{1}{4}$ skull almost
transparent - not dense bone the rest of
candellons structure) 105.8 grams. Shot
by D.S. MacKaye from willows on
east hillside - alone.

October 23, 1933

2997 Ring-necked Pheasant ♂ in. (skull $\frac{1}{4}$ analyzed) 11.1
Shot by D.S. MacKaye out of yellow pine
($\frac{1}{3}$ up) on adjacent ridge - 7500 ft. -
about 4 more present.

2998 Golden-crowned Kinglet ♂ ad. 6.1 gram. Shot by
D.S. MacKaye from willows in "mauve" of
meadow. Head badly mutilated by the

2999 Plain Titmouse fin. (skull $\frac{1}{3}$ analyzed) 15.6 g
Shot by D.S. MacKaye from willows in
meadow - all alone, killed by its challenging.

3000 Junco fin. (skull $\frac{1}{3}$ analyzed)
15.7 grams (skull quite large 3mm. long
short from cerebrales bush up through
bush - alone.

3001 Junco (dark back) ♂ ad 15.7 g

Salmon
1933

Branch/Bush, 6700 ft. Cañon Mts., near
Cady, October 23, 1933

- 3002 *Veget. Thrush* ♂ ad. 81.0 grams. Shot from
upper pine above it had been from above
in canyon bottom - above meadows later
meadows look 2 in (skull 1/8 analyzed) 108.0 g.
Shot by D.S. MacKaye from meadows - 6 ft.
present at same place.
3004 *Western Gnatcatcher* ♂ ad. 96.8 grams. Shot by D.S.
MacKaye from willow thicket - about 4
miles present. Very fat.
3005 *Allen's Jay* ♂ ad. 103.8 gm. Shot from
willow thicket in narrow part of canyon
meadow - one other present.
3006 *Allen's Jay* - shot from black oak on
side of adjacent ridge. Mass: 114.3 g.
3007 *Stemmed Thrush* ♂ in (skull 1/2 analyzed) 29.4
grams. Shot by MacKaye in willow thicket in
meadow - meadows act.
3008 *Cañon Wren* ♂ ad. ? 27.2 grams.
Shot by D.S. MacKaye from yellow pine on
adjacent ridge - thicket by song like
3009 *St. Lawrence* ♀ in. (skull 1/3 analyzed) 33.
Shot from willow thicket in creek bottom

Johnson
1933

Trap Record

French Creek, 6700 ft. Poudre Mts., Twp 6, Col.
October 27, 1933

- 5 mouse traps in fence edge - caught nothing
- 5 mouse " " " " " "
- 1 ♂ juv., 2 ♀ ad. *Peromyscus m. sonoriensis*
- 1 ♂ ad + 5 mouse - set in black oak grove
- Bellevue - rocks, logs - few yellow pine - in
- 1 ♂ ad, 1 ♂ juv., 1 ♀ ad. *Peromyscus crinitus*?
- 2 set traps set in ceanothus thicket on Bellevue
- caught nothing.

3010
From Tule Lake 8 evidently in. 26 grains
Ritachy shot 2 pieces by D.S. MacKaye in
vicinity of indicators.

3011
Shunka Shunka ♀ in. (otter 1/2 only); 19.
Shot by D.S. MacKaye

- 3012
Spotted Towhee ♀ in (otter 4/5 only); 3.
Shot by J. S. MacKaye. Thicket near camp, also
out of top of 150' pine tree - 25 + other

- 3013
Zebra Finch ♀ ad. 53.0 grains. Shot
frequent in corner of an adjacent tree -
just at change of meadow.

3014
Young Nuthatch ♀ (evidently in. otter appears
1/4 only) Shot by D.S. MacKaye from top
of adjacent tree (1500 - 800 ft. from top
of tree - only 3 black paper - 120 11.0 grains

October 1933

French Ranch, 6700 ft., White Mts., Fresno Co., Calif.
Oct. 24, 1933

Flany Woodpecker Fed. (okall bark smashed)
Shot by S.S. MacKaye from truck in meadow
bottom. - all around - half way up tree.

October 25, 1933

Trap in rabbit brush + weeds - dry caught
1 ♂ ad. 1 ♂ ad. 2 ♀ juv. *Peromyscus m. sonoriensis*

at 5 mouse in black oaks on hillside - ad
traps - dry caught
1 ♂ ad. 1 ♂ ad. *Peromyscus boylii*

at mouse traps in pine-oak caught
nothing

Mouse 3 ad - damp grass - willows
1 ♂ ad. 1 ♂ ad. *Thomomys*
1 ♂ juv. *Thomomys sonoriensis*

3016

3017 Tiger in (act?) shot by D.S. MacKaye from
willows in meadow (no other signs evident when
Kandlen) 6.7 gram

3018 slender Billed Nuthatch ♂ in (okall 7/8 empty
15.9 gram. Shot by S.S. MacKaye from tree
halfway up adjacent ridge; with no 3019

3019 slender Billed Nuthatch Fed. 16.4 gram.
data as above - with 3018.

3020

Hummingbird ♂ in (okall 1/4 empty) 17.2 gram

Diurnal
1933

Church Ranch, 6700 ft., Santa Mts., Fresno Co., Calif.
October 28, 1933 (cont.)

3021

Flower, June 6 in. (Ovary 1/2 enlarged); 18
This form is like the other in meadow - one of the
bushes at time.

3022

Shaded, shaded, darker red. 150.7 gms. Shot
from base at edge of Juncus Creek -
between bushes from base of that meadow
in company with others + 2-3 other sets

3023

Shade July 1 m. (Ovary 1/2 enlarged) -
102.7 gms. Shot from within thicket
in upper end of meadow. Not one of the
age determination of this specimen - 1/2

3024

Shade July 3 in (Ovary 4/5 enlarged); 107.5 gms
Shot from fine at edge of bushes +
meadow (immature plant of Ovary at
base, translucent, but not cancellous).

3025

June 25 in (1/3 Ovary enlarged)
wt. 78.0 gms. Shot by D.S. Mackay from
fine the a short distance up nearby
ridge - alone - out on bank 1/2 up tree.

3026

Shade July 6 in. (Ovary 1/2 enlarged); 107.5 gms
in wet grass in meadow on top of block
of shade - see page 801.

Church Ranch, 6700 ft., Santa Mts., San Co., Calif.
October 25, 1933

Flower
1933

3028 Redwing Blackbird ♂ in. (Oxeye 1/3 mixed)
wt. 59.1 gram — data to 3027
3029 Golden-crowned Sparrow ♀ (in. - Oxeye,
mixed) + (shot in oak tree at border
inhabited -) flushed with rollers from
adjoining Rabbit brush. wt. 52.0 gram

October 26, 1933

Trap Record.

14 mouse, Slat, potato in within thickets, damp
grass - water —
1 ♂ ad, 1 ♂ in, 2 ♀ ad. Peromyscus m. sonoriensis
1 ♀ ad. Peromyscus boylii
2 ad ♀ Musculus
1 ♀ ad. Neotoma fuscipes

5 mouse traps in Rabbit brush + weeds
1 ♂ ad, 1 ♂ in. Peromyscus m. sonoriensis
8 cat, 5 mouse traps in daks - ducks, logs
2 ♂ ad. Peromyscus boylii

3 mouse traps in cage caught nothing
1 foot trap

Bliss
1933

Branch/Burch, 6700 ft., Granite Mts., New Co., Calif.
October 26, 1933 (cont.)

3030 Red breasted Nuthatch ♂ in. (skull 7/5 empty)
wt. 10.0 gram. Shot by D.S. MacKay from
dead before fire on back of adjacent bridge
valine in the same hollow filled with the
same in adjacent hole.

3031 Green backed Gold finch ♀ ad. wt. 9.8 gram.
Shot by D.S. MacKay from within thicket in
meadow - alone.

3032 Calif. Purple Finch ad. Int. ♂ (ex organs
definitively by plot), wt. 22.0 gms. Shot
from dense within thicket in back corner
Meadow about 3000 ft. - narrow part of
canyon - alone. - no notes.

3033 Mt. Bluebird ♂ in (skull 7/5 empty): wt.
26.2 gram - shot from above above in meadow
- Williamson's with at least one other Mt.
Bluebird + 13-20 Western Bluebirds.

3034 Cedar Waxwing ♂ in. (skull 3/4 empty)
wt. 35.3 gram. Shot by D.S. MacKay at
contact flock of 15 + flying over
meadow. See page 808.

3035 Song Sparrow ♂ in (skull 1/4 empty) wt. 25.0
Shot by D.S. MacKay out of clematis
at high altitude near Jms. 7500 ft.

Belmore
1933

French Arch, 6700 ft. Route 115, Son Co., Cal
October 26, 1933 (cont.)

3037 Steller Jay Fed. wt. 107.5 gm. - shot
on eastern and slope of Kant ridge -
had two pine nuts in crop when killed
shot and Steller's Jay - rather immature.
Afternoon trap record

2 ♂ Therion in deep grass settings
1 ♂ (in?) Therion in old trap set on
side of adjacent ridge at base of Black D
of blowdowns.

3038 Meadowlark and. Fed. 108.0 gram. shot
while in company with Red winged Blackbird
rough grass of meadow.

3039 Box turtle. 8 in (okage / 2 cm / 10 in) - wt. 38
gram. shot by D.S. Mackay in willow
thicket at lower end of meadow.

3040 Young meadowlark ♂ ad. 66.5 gram. shot
from top of tall pine head caught by
D.S. Mackay close to flock of 20 +
found 2 days later.

Trap Record
June meadow trap caught.
4 ♂ Therion + 1 ♀ in.
October 27, 1933

Belmont
1933

French Creek, 6700 ft., Route 4, Gen Co., Calif.
Oct. 27, 1933 (cont.)
5 traps in weeds + rabbit brush caught
1 ♂ m. *Peromyscus m. sonoriensis*
5 more traps at sage caught nothing
1 cat trap in rocks caught nothing.

3041 *Thomomys* 3 in. (oture 1/2 enlarged) wt. 16. gm. Shot from pine log in sage flat -
trap caught - etc. 1000 ft. - 3000 ft. present
3042 spotted *Peromyscus* 3 in. (oture 1/2 enlarged) wt. 37.6 gm. Shot by O.S. Mearns on

3043 *Peromyscus* covered by 3 in. 5.6 gm. Shot by O.S. Mearns from level branches
of alders (pine leaf bay up adjacent ridge; oture nearly
head shot + broken) Shot at edge
of sage flat up canyon. 1000 ft. (30.0
3045 *Thomomys* 3 in. (oture 1/4 enlarged) 13.0 gm. (lost organ completely diminished at
inner edge of meadow.)

3046 *Peromyscus* 3 in. 51.8 gm. Shot from black oak in upper part
of French Creek - alone - no notes.
3047 *Peromyscus* 3 in. (oture 1/2 enlarged) 13.0 gm. (lost organ completely diminished at
inner edge of meadow.)

October 1933

French Ranch, 6700 ft. Piute Mts., Inyo Co., Calif.
October 27, 1933

3048 *Myiagrus Nubalis* ad. 10.0 gram. Shot by O.S.
Package from back out on and side of
east ridge. One of flock of 20 F.
3049 *Myiagrus Nubalis* ad. 10.5 gram. Shot by
O.S. Package from ground at edge of timber
and meadow) - sitting - no other?

Trap Record

October 28, 1933

Traps in willows, wet grass, etc caught.
1 ♂ ad + im. 1 ♀ ad and im. *Nictus*
1 ♂ ad *Myiagrus Nubalis*; 1 ♂ sub ad. *Myiagrus*
Traps in oak caught 1 ♂ juv. *Myiagrus* m. minor
Traps in oak brush caught.
1 ♂ ad, 1 ♀ ad, 2 + im. *Myiagrus* *Myiagrus*
Traps in oak caught 1 ♂ ad. *Myiagrus* *Myiagrus*

3050 *Myiagrus* (Wt?) caught on dry sandy ground
under pine in and part of range near by -
when stopped - flaps dead - then the
this when placed on back + started on
when stopped when in ground - at 100 yds
3051 *Myiagrus Nubalis* in (about 7/5 or more
caught) - sex unknown - organs developed

French Creek, 6700 ft., White Mts., Kern Co., Calif.
October 28, 1933

Williams
1933

Young Nuthatches - One later came within
a few feet of package & watched him as he
climbed up the chimney.

3052 Young Nuthatch in. (taken 1/4 marked) not in
center - body shot - first ♀ 11.0 gm. -
from edge of stream in this - 7500 ft. -
by 5.5 package. - drinking when shot.

3053 Jay Sparrow 7 in. (taken 1/4 marked) at 24
shot from within the oak on hillside of
scattered timber - also apparently with her when
it was killed.

3054 Jay Sparrow 7 in. (taken 1/2 marked) at 41.
Shot in willow thicket.

3055 Williamson's Gnatcatcher 5 in. (taken 1/2 marked)
5.8 gram. Shot from pine on hillside; at
edge of sage flat at lower edge
of meadow - along - in call notes.

3056 Jack Snipe 3 in. (taken 1/3 marked) at 93.
Shot from grassy plain & willows between
sage flat & edge of meadow.

3057 Lutescent Vireo 8 ad. 410-160-56-20 (26)
at 578.5 gm. Shot in willow thicket near
pine flat over adjacent ridge.

3058 Western Tanager 8 ad. 382-185-39-28 (32)
at 196.8 - caught near shot nest in
willow thicket of meadow - came from
off to left.

Blair
1933

French Creek, 6700 ft., Santa Mts., Fresno Co., Calif.
October 28, 1933 (cont.)

3060 *Peromyscus boyleyi* ♀ ad. (no measurements taken) 26.2 grams. - Oak ~~at~~ among
on dry hillside.

3061 *Thomomys* ♂ ad. 708-58-75-14(19) - 65.5 gms.

Caught in alf grass + brush under dense willow tree.

3062 *Thomomys* ♂ ad. 717-61-76-14(18) - 87.5 gm. ad.

3063 *Thomomys* ♀ ad. 196-51-25-13(17) - 67.0 gms.

3064 *Peromyscus boyleyi* ♀ ad. 214-110-23-19(19); 2

girders - caught either on oak ridge or

in willow thicket.

3065 *Peromyscus boyleyi* ♂ ad. 213-97-23-19(21)

26.8 grams - data as above.

3066 *Peromyscus boyleyi* ♂ (sub. ad.) 210-107-23-19

22.5 grams - data as above.

October 29, 1933

Called in all except meadow traps yesterday.

set 3 rat traps in brush + sage, sandy soil.

near firs - *Peromyscus* - caught 1

Peromyscus in *Peromyscus*

Meadow traps in willows caught 1 ♂ ad, 1

in, 1 fm. *Thomomys*

1 ♂ ad *Peromyscus* in *Peromyscus*

1 rat trap in meadow caught 1 ♂ ad. *Peromyscus* boyleyi.

Wilson
1933

Branch Ranch, 6700 ft. Route 101, Fresno Co., Calif.
October 29, 1933

✓3068

Lanius excubitorides ♂ ad. 770-88-36-16 (20)
66.1 gms - Shot from stake on top of
alluvial bank near country fr. pine
Chondestes - 8300 ft.
October 29, 1933

✓3069

Shot with blood but apparently transparent
feather (region) - shot by S.B. MacKaye from
6600 ft up side canyon - alone - 7900 ft.
Lanius excubitorides ♂ ad. 19.0 gms. Shot by S.B.
MacKaye from Black Oak on rocky slope. Taken
October 29, 1933. (skull 48 mm x 13.1)

✓3070

Shot from side of canyon near fr.
road. - by S.B. MacKaye - alone - shot
October 29, 1933. Skulls somewhat enlarged.
Thrus - picked up on ridge near
Chondestes - 8300 ft. in three
fields of view - with in 150 yds in
James face - no footprints could be detected
in tracks on trail.

✓3072

Shot from canyon - 8300 ft. in three
fields of view - with in 150 yds in
James face - no footprints could be detected
in tracks on trail.

✓3073

Shot from canyon - 8300 ft. in three
fields of view - with in 150 yds in
James face - no footprints could be detected
in tracks on trail.

✓3074

Cedar Canyon and f. in. (skull 15 mm x 10)
October 29, 1933

Fairmore
1933

3075

Branch Bush, 6700 ft., White Mts., New Co., Calif.
October 29, 1933 (cont.)

Cedar Waxwing 1 in. (taken 1/4 captured) at 22
that out of compact flock of 10 ± flying
30 yds. then headed on evening - later
came back from which 3074 was taken
it was shot only after minutes after.

October 30, 1933

trap record

10 act + 5 mouse in cage + rabbit bush that
near stream + rocks + poor net for
Eutamias + Peromyscus caught
23 ad, 18 im, 2 f ad. Peromyscus in. Peromyscus
(one f had 4 emb x 20 ft)

Headtraps - came live - caught
25 ad. Peromyscus in. Peromyscus
25 im. Peromyscus

Single net trap in rocks caught
1 ad. Peromyscus brought

Quilled up all but 5 ad, 3 juv, 2 holes in meadow
before 10 act, 10 mouse, 8 gopher traps in yard

3076 Brown Creeper act? in. (taken 1/3 captured) in
80 yds. shot from trunk of small yellow pine
at 7500 ft. - open forest - much acorn this
forest in lower

Ranch, 6700 ft. Route 115, San Co., Calif.
 October 30, 1933
 1933

appearance and hence perhaps thoroughly
 identified with *Cucullaria* (one trace) - At
 garden. Shot by J. S. MacKaye from black oak
 in canyon bottom - 1500 ft. - one seen
 flushed from within patch - one seen
 yesterday by me & looked as unknown
 to only a fleeting glance. *Stemach* can't be
 3078 Mountain Chickadee ♂ in. (ok almost entire
 transparent) - Shot from ceiling tree in
 cedar this patch & scattered young trees
 present in vicinity - with one other shot
 several times & 2 flights - 7500 ft.
 wt. 11.8 gram. - 7(11.8)

3079 *Junco* ♂ ad. 13.5 gm. Shot in blue
 oak near Wilson's in early morning -
 3080 *Salpinctes obsoletus* ♂ ad. 21.5 - 21.5 = 38-15
 at ceiling - shot from base of trunk of
 red fir - 700 ft. - near chimney.
 3081 *Thryomanes bewickii* ♂ ad. 730-72-29-5(7);
 wt. 13.0 gram - caught in dump ore in
 meadow & had turned up half dead.

Fieldwork
1933

2 mi. NE Ruckin Ranch, 3350 ft., Walker Ranch
New Co., Calif., Nov. 2, 1933.
Sw and Walter Brown, 3358 ft., New Co.
Calif., Nov. 7, 1933

3082 Savannah Sparrow ♂ ad. 16.5 gram - shot in wet
grass at average area in middle of open field
one other present.

3083 Horned Lark ♂ ad. wt. 30.2 gram - shot in wet
grassy average area in center of open field
one ♂ flock of 25 F.

3084 Horned Lark ♂ ad. wt. 28.1 gram - data as above
" " ♂ ad. wt. 32.0 gram -
" " ♂ ad. wt. 28.6 gram - dry field -
" " ♂ ad. wt. 30.5 gram -

3085
3086
3087
Crop saved
3088 Horned Lark ♂, imm. ad. wt. 29.6 gram - as above
3089 Redwinged Blackbird ♂ ad. wt. 29.8 gram -
shot out of flock of 35 F. B. Blackbirds
and 5 to 6 Redwings feeding in grass in
middle of dry open field - grasses much
drier than water.

3090 Redwinged Blackbird ♂ ad. wt. 67.5 gram - data as above

Nov. 3, 1933

3091 Horned Lark ♂ ad. wt. 31.2 gram - Russian
Horned Lark at edge of grass - open field;

1933
 1933

51/ part. Waka River, 3350 ft. from Co. Coe
 Nov. 3, 1933

3092 Horned Lark ♀ ad., wt. 27.4 gram. Shy D.
 Package in grass & weeds of great field.
 3093 Shrike ♂ ad. wt. 52.2 gram. Shy D.
 D.S. Package from wild in grave.
 3094 Shrike ♀ (bird ad.) - olive belly, blood red
 however, thought I could find an inside
 case to olive in last place & only) -
 wt. 48.5 gram - Shy D.S. Package. In
 dense part of juncture of field & woods

3095 Horned Lark ♂ ad. wt. 50.0 gram - grass, weed &
 3096 " " ♂ ad. wt. 32.8 gram -
 3097 " " ♀ ad. wt. 25.1 gram -
 3098 " " ♀ ad. wt. 29.1 gram -
 3099 " " ♂ ad. wt. 26.7 gram -

3100 Horned Lark ♀ ad. wt. 28.7 gram -
 Shy D.S. Package.
 3101 " " ♂ ad. 19.5 gram -
 out of flock of 10 f.

3102 " " ♂ ad. (olive 7/5 covered) - oak brush
 at edge of basin - canyon - 5 f. others. wt.

3103 " " ♂ ad. (olive 8 and in. (olive blood
 but apparently transparent in partial region
 - from flock of 5 in tiny flock of 3 in

Flower
1933

Self-portraits, 3350 ft. from Co. Calif
Nov. 3, 1933

3105 Redwing Blackbird ♂ in (skull 7/8 inflated
wt. 66.5 gms. - date as 3103.

3106 Yellow Warbler ♂ (and in. - 4/5 sk
apparently healthy, transparent - the not
double-crested - punched it with sharp
end of forcep & only at posterior end
could find a dark spot) - not

40.4 gms - shot by D.S. Hackage in
thick willow grove - large trees - alone

3107 Savannah Sparrow ♂ in. (skull 1/3 inflated)
wt. 17.9 gms - shot from alder near
haystack in the field.

3108 Savannah Sparrow ♂ in (skull 1/5 inflated
wt. 15.8 gms. - shot from willow near
camp - was on ground with lark after
& when flushed took refuge in the tree.

3109 Golden Bunting ♂ in (skull 4/5 inflated
wt. 18.5 gms. - shot from willow
in center of open field.

3110 Flannel Lark ♀ in. wt. 17.5 gms - open meadow
near average area. - flock of 15 ft.

3111 Flannel Lark ♀ in. wt. 15.5 - date as above

15 traps (3 set) along grass & ornamental
driveways front door north house caught 4

Belmore
1933

SW part water basin, 3350 ft., New Co., Calif
Nov. 4, 1933

3112
trap saved

feeding Blackbird ♀ in (skull 4/5 ossified)
68 gms. shot from within in center of face
Japan Hawk ♂ ad. wt. 148 gms. - no fat

face foot after it had burrowed into the
veg 50 ft flying Horned Larks without catching
one - after we dug overpage area - the
Horned Lark ♂ ad. wt. 69.3 gms - sp. checked
skull by D. J. P.

3114

Horned Lark ♂ ad. wt. 32.0 gms -
since ♂ ad. - wt. 17.0 gms. in water grave in
center of basin - range old trees - no water. D.S.

3116

Audubon Warbler ♀ ad. wt. 12.2 gms. - date on at
" " ♂ im. (skull 4/5 ossified) - at.
data to 3116 - 3117 - D.S. package.

3118

Trap Record

Nov. 5, 1933

since trap line caught 1 ♂ ad. Dipodomys
change - nothing in the grass + olive -
5 traps set for gophers caught
2 ♂ ad, 2 ♀ im. Thomomys bollee
7 traps set for mice caught
2 ♂ ad. Peromyscus latimanus

3119

Thomomys bollee ♂ ad. 255-78-32-7(9) wt. 220.
caught in ponds - near camp.

Balance
1933

SW part Walker Basin, 3350 ft. from Co. Calif.
Nov. 5, 1933

3121 Runt ♂ in. (skull 7/5 - at 18, 0 gms -
skull from Lawrence in when laid - near date
3122 - Skull ♂ in (skull 7/8 - at 16.5 gms -
skull by D.S. Mackay from large rodents -
3123 - Skull ♀ ad. - at 186 gms. - data as 3122
apparently ♀ - remarkable dark the - body
in genital region.
3124 Skull Blackbird ♂ in (skull 3/4 - at 14 gms -
skull at of large black bird
in jar line with black.

Afternoon trap record -
12 gopher traps - caught
1 ♂ ad. *Thomomys bottae*
2 ♂ ad. *Scapanus latimanus*

Nov. 6, 1933
Same set mouse traps - gopher traps -
1 ♂ ad. *Dipodomys agilis*
1 ♂ ad. *Scapanus latimanus*
1 ♂ ad. *Thomomys m. sonoriensis*
3125 Spelling Blackbird ♂ in (skull 9/10 - at 58.5 gms -
skull from hole with -

Bolton
1933

Swamp Water Basin, 3350 ft., Kern Co., Calif.
Nov. 6, 1933

- 3116 - 1 ♂ ad. - 29.0 gms - average area in fa
- 3117 - 1 ♂ ad. wt. 30.5 gm - "
- 3118 - 1 ♂ ad. wt. 27.2 gm - "
- 3119 - 1 ♀ ad. wt. 25.7 gm - "
- 3120 - 1 ♀ ad. wt. 27.8 gm - "
- 3131 - 1 ♂ ad. (okue 1/2 crushed) wt. 18.0 gms - short blue dot at white end of brain.

D.S. MacKaye from long distance - ~~okue 1/2 crushed~~ - data as 3131

- 3132 - 1 ♂ ad. (okue 1/2 crushed) wt. 19.3 gms - data as 3131
- 3133 - 1 ♂ ad. (okue 1/2 crushed) wt. 15.0 gms - 3 others present. wt. 15.0

3134 - 1 ♂ ad. (okue 1/2 crushed) wt. 15.0 gms - caught in sandy loamy soil near drainage area - damp

Afternoon trap catch
1 ♂ ad - 18 in, 1 ♀ in. *Neotoma* (5 in tubes)
1 ♀ ad *Segetarius*

Nov. 7, 1933

Nite trap catch
3 minor traps in tubes caught
1 ad. *Segetarius*
3 ad. traps in *Rumex* / *Thalic* - soil caught
2 ♂, 1 ♀ ad. - *Depodomyia agilis*
5 *Segetarius* traps - 1000 ft

Belmore
1933

Swanton & Belmore, 3350 ft., Tenn. Co., Calif.
Nov. 7, 1933

3135 *Geopagus latimanus* ♂ ad. 105-40-13.5-4(5), wt. 5 gms
caught in ^{more} the patch where yesterday's *montanus* take
3136 *Geopagus latimanus* ♂ ad. 161-32-20-0; wt. 41.8 gms
damp orange area - feather - band & brown
band - notes - same locality as other notes
3137 *Homaloptera* ♂ ad. wt. 27.4 gms. - damp forest
3138 " " ♂ ad. wt. 29.0 gms - dry field -
3139 *Brown Towhee* ♂ ad. wt. 53.5 gms - oak brush - dry
3140 *Junco* ♂ ad. wt. 18.2 gms - shore of large willows in
3141 *Cal. Jay* ♂ ad. wt. 44.5 gms - Argemone at base of
3142 *Edge Sparrow* ♂ ad. wt. 19.0 gms - sketch of 25 Mackay
from dry red dirt, same in north end of area
out of flock of 5.

3143 *Junco* ♂ im. (other 1/3 marked) wt. 17.8 gms - shortly
S.S. Mackay - from large willow near camp -
3144 *Pinus* ♂ ad. wt. 20.0 gms - shot from face above in
open field - 58 workers present feeding in willow

Nov. 8, 1933

3145 *Song Sparrow* ♀ im. (other 1/3 marked) - wt. 19.5 gms
shot from face patch near grass & willows. - alone
3146 *Redwing Blackbird* ♂ ad. wt. 41.0 gms - takes - alone
3147 " " ♂ ad. wt. 44.4 gms. - out of flock of
Bremer & Redwing Blackbirds
3148 *Redwing Blackbird*

Rankin Ranch, 3305 ft, White River, Ten
 Cay, Nov. 13, 1933

Belmont
 1933

3160 Yellow Warbler ♂ ad. wt. 67.7 gm - date as 3161
 " " ♂ ad. wt. 72.5 gm - " "
 3162 Blue Tit ♂ ad. wt. 5.6 gm. - Blue oak on upper part of adjacent ridge - one ♀ black oak
 3163 Blue Titmouse ♀ ad. wt. 14.5 gm. - oak and
 cantharides thick on adjacent ridge - 3700 ft -
 flock of Black Tit. (the tiny transverse (2 mm) -
 3164 Blue Titmouse ♂ im (olive 9/10 on 1/20 3/100) -
 wt. 18.0 gm. - Blue oak out on Beland
 date as 3163.

3165 Blue Titmouse ♂ im (olive 1/2 on 1/2) - wt. 18
 gm. - Blue oak on ridge - 3600 ft.
 3166 Long Sparrow ♀ ad. wt. 20.0 gm - Blue oak
 taken by D.S. package.
 3167 " " ♂ im. (olive 7/3 on 1/3) - oak
 caught in "mouse trap. wt. 20
 " " ♀ im. (olive 9/5 on 1/5) wt. 20
 3168 " " " " " " " "

3169 Le Wren ♂ im. (olive 9/10 on 1/10) - wt. 11.5 gm
 shot by D.S. package in full patch.
 3170 " " ♂ ad. 12.0 gm - date as above - caught
 " " ♀ im. (olive 9/5 on 1/5) - wt. 11.5 gm
 date as above -

3172 Sparrow (of ?) ♀ im (olive 9/10 on 1/10)
 3171 " " " " " "

One afternoon
Nov. 1894. Looking out of the
car - there is a fine view
of the city & mountains.

Raukin Ranch, 3300 ft., Alameda Co., Calif.
Nov. 14, 1933

Johnson
1933

3181 Spotted Towhee ♀ ad. wt. 35.1 gm. Shot from oak bush in oak brush near opening at back of house several others about as well as many flocks of white-crowned sparrows. The sparrows about 3183 Song Sparrow ♂ im (skull 1/50 analyzed), wt. 26.1 gm date as 3182

3184 Hermit Thrush ♂ im (skull 2/3 analyzed), wt. 25. Golden Plover in bottom of canyon. 3185 Blue-backed Wood Thrush ♂ im (skull 19/20 analyzed) shot from willows over falls by S.S. MacKay (in)

November 13, 1933

Trap Record

4 mouse traps in rabbit brush on side fire canyon nothing caught 1 nat trap in willow thickets & 5 mouse caught 1 ♀ ad. *Peromyscus* im. *Peromyscus* 10 mouse, 2 nat traps in rocks at bottom of canyon caught 1 ♀ ad *Neotoma*

13 ad *Peromyscus* fovei 2 golden traps set in wide runway caught 1 ♀ ad *Peromyscus* fovei 1 golden trap in golden hole caught 1 ♀ ad *Peromyscus* fovei 3 alive traps in rocks & cottonwoods & canyon

Billings
1933

Yarker Ranch, 3300 ft. Walker Basin, Yuma Co., Cal.
Nov. 15, 1933 (cont.)

3186 *Leucis* *Quercus* *laevis* - shot from dead wood
branch over muddy area in front of camp - just before
3187 *Bush Tit* in (skull $\frac{2}{3}$ analyzed) - and δ (general)
damaged by shot - oaks on ridge - one of flock of

3188 *Bush Tit* δ in (skull $\frac{19}{20}$ analyzed - two tiny windows
in front area) - date as 3187, the dirty flock, with

3189 *Golden-crowned Kinglet* δ in (skull $\frac{9}{10}$ analyzed) -
wt. 19.4 gms - shot by δ S. MacKaye from large pine
used at edge of firs & 150 yds from timber.

3190 *Spotted Towhee* δ in (skull $\frac{5}{6}$ analyzed) - wt. 40.4 gms
shot from oak & *Ceanothus* brush thicket in shade
camp bottom -

3191 *Audubon Warbler* δ in (skull $\frac{3}{4}$ analyzed) wt. 12.5 gms
shot by δ S. MacKaye from large pine within 700 yds
at 9:12 P.M. in back of tent.

3192 *Junco* δ ad. wt. 19.0 gms. Picked up dead last night
at 9:12 P.M. in back of tent.

Trap Record
Nov. 16, 1933
5 *Thomomys* in rabbit brush as per last night camp
3 δ ad, 1 δ juv. *Peromyscus* sp. *sonoriensis*
3 *Thomomys* + 1 rat trap in willows caught
nothing
18 *Thomomys* + 2 rat traps set in rocks caught

1 δ + 1 δ ad. *Peromyscus* *sonoriensis*
1 δ juv. 1 δ juv. *Peromyscus* *sonoriensis*

Barrow
1933

Franklin Ranch, 3300 ft., Walker Basin, Kern Co., Calif.
Nov. 16, 1933

✓ 3193 *Western Gnatcatcher* ♂ im. (okuse 19 no more recorded)
the tiny *Thryothorus* in the forest region - a
gus - okuse oak bush on top of ridge; bushy
3194 *House Wren* (okuse 19 no more recorded)
the tiny *Thryothorus* areas at mid forest region - w
9.9 gus - okuse 19 no more recorded
3195 *Brown Towhee* ♀ im (okuse 19 no more recorded) - w. 52.
oak and ceanothus bush at head of small canyon
on top of ridge - with many white cornucopia
and spotted towhee.

✓ 3196 Mt. Kern. Fad. - killed on *Scorpa* Mt. on
Navajo Mt, just east of Engle, Kern Co., Calif.
Feb. 1932 - it had killed sheep & goats
that by about 1000 and *Scorpa* valley.

✓ 3197 *Odocoileus* Fad. - killed March, 1931 by
Wander Koser which of Hemville - killed
on Kennedy Meadows, Fresno Co., Calif. +
used for trap bait.

✓ 3198 *Odocoileus* Horn only - killed up on creek
much in old oak - 11. out *Scorpa* River
✓ 3199 *Odocoileus* Horn only - killed because of *Scorpa* which
the horn - 100 other animals killed
from pen at same cabin from day. *Scorpa*
✓ 3199 *Odocoileus* ♂ ad. 103-39-17-5 (6) - w. 4.5 gus - trap
by O.S. *Scorpa* in lake area.

Blair
1933

Nov. 15, 1933

Yunker Ranch, 3300 ft., Water Basin, Tenn Co, N.M.

3201 Brown Towhee ♂ in - okue $\frac{1}{3}$ also (overlaid) - wt. 49.7 gms - date as 3200.

3202 Blue Chalk. Towhee ♂ ad. wt. 11.0 gms - shot by S.S. Mac. from gun found in willows near hole.

3203 Spotted Towhee ♀ in. (okue $\frac{1}{3}$ overlaid) - wt. 37.1 gms - date as 3201.

3204 Blue Jay ♂ and ♀ ($\frac{2}{3}$ of okue not de- manded this at same time, but transparent

rather murky in appearance) - wt. 99.2 g. Out, top of. - adjacent ridge 3500 ft.

3205 Yellow Woodpecker ♂ ad. wt. 25.8 gm - shot by S.S. MacKaye from willow marsh area

3206 Humped Back ♂ ad. wt 31.7 - shot by O.S. MacKaye in marshy area in center of willow pasture

November 17, 1933

10 mm; nat. traps in sage, scrub brush & brushy creek

2 ♂ ad, 3 ♂ ad, 3 ♂ ad, 3 ♂ ad, 1 ♀ ad. *Peromyscus truei*

1 ♂ *Peromyscus truei*, 1 ♀ ad. *P. boyleyi*!

1 ♂ *Peromyscus truei*, 1 ♀ ad. *P. boyleyi*!

1 ♂ *Peromyscus truei*, 1 ♀ ad. *P. boyleyi*!

1 ♂ *Peromyscus truei*, 1 ♀ ad. *P. boyleyi*!

Kunkin Ranch, 3300 ft., White River, Kern Co., Calif.
Nov. 18, 1933

Billings
1933

3216 Sage Sparrow ♂ ad. wt. 19.4 gms - shot out of oak
bush & cage that at base of north fork of
White R. Sparrows & Song Sparrows
3217 Song Sparrow sex? - in (taken 4/5 compared) wt. 20.
shot from lowest willow tangle over the area
3218 " " ♀ ad. wt. 18.7 gms - shot by D.S. in
in the patch.
3219 Spotted Towhee ♂ in (taken 3/4 compared) - wt. 37.
oak, examined bush up small canyon in the
near water - measure no. 3215.

3220 Bush Tit ♀ ad. wt. 5.9 gms - shot by D.S. Mactage in o
and examined at east end of White River.
3221 " " ♂ in. (taken almost wholly omitted - the T
translucent areas in frontal region), wt. 6.0 gms.
data as 3220.

3222 " " ♂ in. (taken 1/20 or more omitted) wt. 5.4 gms
data as 3220 - all from same place
3223 Song Sparrow ♀ ad. wt. 30.6 gms. - caught in thorn
trap outside - has white branches at full maturity
3224 Leucis ♂ ad. wt. 10.5 gms - caught in thorn
primarily at edge of fields.

3225 Parula ♂ ad. wt. 10.0 gms. - shot by D.S. Mactage
in oak & examined bush at east end of branch - 3226
3226 Blue Titmouse sex? - ad. wt. 17.6 gms - oaks at
east end of branch - 3227 in - same place
3228 shot by D.S. Mactage

Silvane
1933

Funkhouser, 300 ft. White River, Tenn Co., Va.
Nov. 18, 1933 (cont.)

328 Barn Cat ♂ ad - oak grove at base of
mt. 422.0 gms.

329 Musculus ♂ ad. 622-63-27-17.5 (19), wt. 95.0
day catch at edge of tree patch.

330 Peromyscus truei ♀ juv. 184-93-24-22 (24), wt. 11.
redky outcrops near bottom of Bear Cr. canyon.
331 Muskratt & co. ad. and ♀ - wt. 36.0 gms - at
from oaks at base of foot hills.

trap record
November 19, 1933

stage traps caught
1 ♂ ad. Peromyscus truei - Peromyscus

Rock traps

1 ♂ ad, 2 ♀ ad, 1 ♀ juv. Peromyscus truei
1 ♂ ad, 1 ♂ juv. Peromyscus truei
1 ♂ juv. Peromyscus truei

that traps in middle of hills

1 ♂ ad. Peromyscus truei

16 mouse traps in grove at lake edge

1 ♂ ad. Peromyscus truei - Peromyscus

2 ♂ ad, 2 ♀ ad. Peromyscus truei
1 ♂ juv. Musculus

322 Sage Sparrow ♂ ad. wt. 17.5 gms - shot from cage
and with 1 Bushy Rat - Peromyscus + White Rat

4 June 1933

Yankin Ranch, 3300 ft., Walker Basin, Twp. 6, Co. 3, Cal.
Nov. 19, 1933

3234 Blue Bird Nuthatch ♀ ad. wt. 13.0 gms - date 003
3235 Plain Titmouse ♂ ad. wt. 16.0 gms - oaks at base of bu
3236 Brown Creeper ♀ ad. wt. 57.0 gms - oak brush-bare ground
3237 " " ♀ im (olive 1/10 orange) - wt. 42.0
date 00 3236

3238 Caly. Jay ♂ im. (olive 2/3 orange), wt. 93.2
oaks at base of firs.

Index

November 20, 1933

Large + smallest bush settings caught

2 ♂ ad. - Geothlypis trichas in Sanneum

York settings at canyon bottom caught

1 ♂, 1 ♀ ad. Geothlypis trichas

1 ♂ ad. Geothlypis trichas

1 ♀ ad. Geothlypis trichas

Large + small both caught

1 ♀ ad. Geothlypis trichas in Sanneum

1 ♂ ad. Geothlypis trichas

1 ♂ ad. 1 ♀ im. Microtus

1 ♂ ad. Perisoreus

Belmore
1933

2 mi N Sonoma Ranch, 4500 ft, Fresno Valley, Kern
Co., Calif., Nov. 23, 1933

3247 *Cactus Wren* Fad. wt. 43.8 gms - *Sotona free thorax*
in mouth of ~~juv~~ *daily* ♀ ad. wt. 38.7 gms - data as 3247

Nov. 23, 1933

3249 *White Crowned Sparrow* ♂ ad. wt. 27.8 gms. - *dr*
by 0.5. Package from bag bush near camp.
3250 *Page Sparrow* ♂ ad. wt. 18 gms - *shot by OS package*
in road thru sage edge of canyon - shot from air

3251 " " ♂ ad. wt. 16.1 gms - *shot from air*
at mouth of same rocky canyon

3252 *Shrike* ♂ ad. wt. 30.5 gms - *shot from lip of fork*
Cactus Woodpecker ♀ (apparently immature - ?)
in more of same sparse but not dense willow

3254 *Cal. sh. sparrow* ♀ ad. wt. 87.5 gms - *shot by OS package*
at 3000 ft. *Blue near camp*.

Nov. 24, 1933

3255 *Geothlypis trichas* Fad. 201-105-24-23(x6) - wt. 87.5 gms.

3256 *Geothlypis trichas* ♂ ad. wt. 87.5 gms. 204-104-27-22(x2)
rocks in bottom of canyon near camp.
data as 3255

3257 *Geothlypis trichas* Fad. 193-99-23-17(x2) - wt. 22.2 gms.
Data fresh - sand - common (other 2)

Don Tapscott
on page 871

Blumen
1933

2 mi. N. Bruce Ranch, 4500 ft., Klamath Valley, Oregon
Early, Nov. 24, 1933 (cont.)

3200 Bushy Rabbit ♂ ad. 315-35-83-80 (68), wt. 6
gms - (tail measured on carcass) - shot on
steep rocky & sandy hill slope - among oak
and ceanothos brush - W. facing slope;
Stage flowers ♀ ad. wt. 17.6 gms. - under shelter of
oak - camp - Stage 3 near.

3202 " " ♂ ad. wt. 19.5 gms - date as 3201
3203 Brown Towhee ♂ ad. wt. 63.0 gms - shot from
ceanothos bush at lower edge of west side of
Klamath Valley - rocks - oak - sand.

3204 Brown Towhee ♀ ad. wt. 53 gms - shot from road
in rocky area at edge of valley - brush &
scattered timber present.
3205 Spizella socialis ♂ ad. 420-153-49-15 (29) -
510 gms - caught in rocky canyon bottom in
willow brush -

Nov. 25, 1933

3206 House Finch ♀ ad. wt. 16.0 gms - shot by ~~me~~ ~~rocks~~ from
Klamath Valley - at edge of valley floor.
3207 House Finch ♂ ad. wt. 16.0 gms - shot by OS Macgregor from willows on
water at camp.

Johnson
1933

2 mi. N. Donnell Ranch, 4500 ft., Hobbs Valley, Kern Co., Calif. Nov 26, 1933

✓ 3268 *Junco* ♂ ad. w. 19.1 gr. - Shot by Disparte from within in camp.

✓ 3269 *Zonotrichia* ♀ ad. 10.5-41-8-4(8) - w. 3.2 grs - caught in a cage area with willows & weeds in rocky canyon. is nearly a spring in the rocks.

✓ 3270 *Peromyscus maniculatus* ♂ ad. 168-88-21-17 w. 13.5 grs - Trapped in bare granite rocks ending cliff above - some "rock bush" present.

✓ 3271 *Zamelodia macroura* ♂ ad. 240-107-37-16(21), w. 57.5 grs. Trapped on bank of dry wash near camp - sand, gravel, sage brush & willows & oak nearby.

3272 *Western Gnatcatcher* ♂ (age not known - other birds shot) - w. 5.2 grs - shot from thorn tree in cage flat of valley floor - one of pair.

✓ 3273 *Peromyscus truei* ♀ ad. 208-110-75-23(25), w. 24.9 grs. Rocky, brushy canyon bottom.

✓ 3274 *Peromyscus truei* ♂ ad. 205-102-29-23(25) - w. 21.5 grs. data as 3273.

✓ 3275 *Peromyscus boyleyi* ♂ ad. 198-102-73-18(20) - w. 21.2 grs - caught in nets & adjacent cages.

✓ 3276 *Peromyscus boyleyi* ♀ ad. 202-102-24-19(22) - w. 21.2 grs - rocks, sand, brush in canyon bottom

✓ 3277 *Callospermophilus* ♀ ad. 83.2 grs - shot from dead oak

✓ 3278 *Peromyscus boyleyi* ♂ ad. 202-102-24-19(22) - w. 21.2 grs - shot at mouth of rocky, narrow canyon. (no weighed)

Williams
1933

Nov. 26, 1933

2 mi. N. Sonora Ranch, 4500 ft., N. Rio Valley, Kern Co., Cal.

- ✓ 379 Vesperugo alba. ad. wt. 8.5 gms - shot by D.S. Mudgett from second bush near camp.
- ✓ 380 Sage Sparrow ad. (part ♀) - wt. 16.7 g - shot by edge of bush at edge of sandy draw.
- ✓ 381 Sage Sparrow ♀ ad. wt. 15.8 gms - shot from within at spring in camp.
- ✓ 382 Neotoma lepida ♂ ad. wt. 19.0 gms - 320-130-32-280 - trapped in granite rock walls near camp. 4600 ft. - the same as in (other 'no orange' - the same as in front of area in front of region) - wt. 30.2 gms - shot by D.S. Mudgett from near camp.
- ✓ 383 Sage Sparrow ♂ ad. (other 'no orange' - the same as in front of area in front of region) - wt. 30.2 gms - caught in trap set in sand on dry hillside in place about 1000 ft. and scattered rocks.
- ✓ 384 Ammospiza bilineata ♂ ad. 197-53-40-5 (11) - wt. 97.0 g - caught in trap set in sand on dry hillside in place about 1000 ft. and scattered rocks.

November 27, 1933

- ✓ 3285 (Troglodytes beeryi?) (T. beeryi?) - ♀ wt. 11.6 g - trapped in granite cave in crevice - 4600 ft. - same locality as Neotoma 3282.
- ✓ 3286 Dipodomys agilis ♂ ad. 300-180-45-17 (19) - wt. 69 g - on edge of dry lake - sand - on bank of dry lake - plants covered with brush near camp.
- ✓ 3287 Neotoma lepida ♂ ad. 380-180-38-29 (32) - wt. 208.5 gms - rocks of creek bottom.
- ✓ 3288 Neotoma lepida ♂ ad. 320-147-35-29 (31) - wt. 120.5 g - trapped in granite crevice above camp - same as above.

Johnson
1933

Am. N. Howell Ranch, 4500 ft., Teho Valley, San Co., Cal.
Nov. 27 (cont).

3389 *Peromyscus truei* Fad. ad. 204-104-34-23 (26) - wt. 2
abuse of rock + willows - edge of spring.
3390. *Peromyscus boylii* Fad. ad. 202-105-22-17 (20) - wt. 243 gms - trapped at willows used surroundings
spring in rocky canyon.

3391 *Sage Sparrow* Fad. ad. wt. 18.0 gms - shot while on
at spring under willows at camp.
3392 " " 8 in. (taken 9/10 analyzed) - wt. 10.

3393 *Peromyscus truei* Fad. ad. wt. 51.6 gms. - shot by D.
structure - from canisters bush at base of waste
hill near camp.

3394 *Red Breasted Sapsucker* ♂ (apparently in -
nest 3000 ft. apparently single-chained but
not far from nest (about) - wt. 51.7 gms.
+ sandy ridge with much sage + no brush.

3395 *Peromyscus boylii* Fad. ad. 179-104-23-16.5 (19) -
wt. 173.5 gms. (trapped in cage at edge of creek
3396 *Peromyscus truei* Fad. ad. wt. 155.4 gms - shot by A.
Jimmings (local resident - full grown) in the
valley at edge of Joshua patch
3397 *Peromyscus truei* Fad. ad. wt. 159.4 gms. - shot from
brush + rocks at edge of small rocky canyon

November 28, 1933

2 mi. N. Dover Ranch, 4000 ft., 1500 yds. N. from
 Nov. 28, 1933

Barrow
 1933

3798 Blue Jay ♀ ad. wt. 84.0 gms - shot from
 base of causerhus burden under this ridge
 scattered timber.

3799 *Ammodramophilus* ♀ ad. 215-60-39-6(8) -
 105 gms - trapped by trackway in the
 floor - stomach filled with fungi, common
 white vegetable mass. of fat.
 3300 *Ammodramophilus* ♂ ad. 213-57-38-6(8) -
 95.2 gms - date as 3799.

November 29, 1933
 3301 Sage Sparrow ♀ ad. wt. 20.0 gms - shot out of
 ridge near small rocky timberline draw. - on
 a tract of 6-9
 3302 Black Tit ♀ ad. wt. 5 gms - shot by DSR Mackay
 on ridge out of deeper furrow - 5500 ft.

3303 Sage Sparrow ♂ ad. wt. 19.2 gms - data as 3302
 3304 Brown Towhee ♂ ad. wt. 56.7 gms - shot in
 brush of canyon bottom near camp - DSR Mackay
 3305 Cowbird ♀ ad. 88.7 gms - shot by DS
 Mackay from oak on side of ridge, 6500 ft.

November 30, 1933
 3306 *Thomomys* ♂ ad. 214-65-30-5(6) - wt. 105.
 trapped in field with scattered brush

Volume 1933

2 mi. N Bruce Ranch, 4500 ft., Texas Valley, Nov. 30, 1933

- 3308 *Thomomys* ♂ ad. 215-65-29-5 (6) - wt. 127. Data as 3309 - 15 x 30 - fat.
- 3309 *Thomomys* ♀ ad. 198-58-28-4 (6) - wt. 117. Gus - data as 3307 - fat.
- 3310 *Thomomys* ♀ juv. 195-67-37-4 (5) - wt. 107. - fat - data as 3307.
- 3311 *Thomomys* ♀ ad. 201-60-26-4 (5) - wt. 102. - fat - data as 3307.

December 1, 1933

- 3312 *Carnegie Shrike* ♂ juv. - (blue) 19/20 mm. wt. 107.0 gms - shot out of willows in average area in valley from where *Spizella socialis* ♂ ad. 446-135-50-18 (30) 618.0 gms - trapped in willow & rocky canyon under willow - same net which caught no 3.
- 3314 *Lepus californicus* ♂ ad. 510-100-130-155 (130) fat. 2038 gms - shot on canyon + rabbit track above rim of valley.
- 3315 *Lepus californicus* ♂ ad. 526-100-125-1 (130) fat. 2056 gms - data as 3314 tail measured on carcass.

December 2, 1933

- 3316 *Sylvilagus bachmani* ♂ ad. 312-33-80-74 (66) wt. 576 gms - shot in cage + Thompson

Johnson
1933

2 mi. N. Jorsee Ranch, 4400 ft., Hobo Valley -
Dec. 2, 1933

- 3317 Rana - spring & clump of willows and spots
on floor of valley - 1 mi. N. Jorsee Ranch
12.0 gms.
3318 Rana - " " 6.1 gms.
3319 Rana - " " 17.8 gms - cage
3320 Sage Sparrow - ad. wt. 55.5 gms - 3321
Chickadee from brush & rocks at edge
3322 " " ad. wt. 28.5 gms -
3323 Cuckoo - ad. (O.F. X 8) - wt. 81.8 gms -
3324 Cuckoo - ad. wt. 96.0 gms -
3325 Sparrow Hawk - ad. wt. 109.5 gms - shot at
mouth of rocky draw on valley floor - was perched on Joshua tree.

Angimore

1933

Halder Baun, Kern Co., Calif.

Section
Stevens Accretion

Scapharus latiparus (1)

Blaine
1933

Thompson Canyon, 3900 ft., Walker Basin,
Spur Co., Cal. - Oct. 21, 1933
Several tunnels seen in sandy soil
over a bottom of Brown Creek.

French Butte, 6100 ft., Route 111, Spur Co.,
Cal. - Oct. 10, 1933
M. tuberos - local resident, mites, - many
lots present - flowers, about 100
each & meant together - no eggs
seen after.

SW part Walker Basin, 3300 ft., Spur Co., Cal.
Nov. 6, 1933
Common in finer meadows near
outlet of Brown Creek - in open
fields & sandy or loamy soil on hill &
damp. - (large worms noticed in
soil when digging with shovel for the
murex - undoubtedly live in holes in
murex - one caught in shovel & seen
where each changed holes had been
taken - 12 found previously.

Scapanus (2)

Blair
1933

Soot at base of hills & along canyon bottom
of Brown Creek Canyon - thickest again seen
in damp places, in flat surfaces.
Texas Valley - Dec. 2 - No sign seen here
the they have been over & happened at the
Bruce Ranch - evidently scarce - not in
damp ground present

Sorex

Baltimore
1933

Thompson Canyon, 3900 ft., Walker Basin,
Tenn. Co., Calif.

October 13, 1933

Thackery just caught one in a trap
at entrance of yard from camp in
dry weeds but grass & appears to be
Sorex vagans.

October 20, 1933
I have caught three & an extra larva
in traps set in the damp grass under
a dense algaean wetland. I saw
traps and caught many Muskrats. I
showed up when to be scarce & the
must keep out almost everything
else before catching any more.

French Gulch, 6700 ft., White Mt., Tenn. Co., Calif.
Oct. 30, 1933
I've caught here the traps set in them
have been out in the meadow along the
willows also some mouse traps.

French Gulch, 3300 ft., Walker Basin, Tenn. Co., Calif.
Nov. 20, 1933
I've taken along traps &
wet grass have some more no Muskrats
Sorex vagans & the others & some more

Box (2)

Johnson
1933

Thos. J. Kelly - One caught in dump, with
and used area in pocket of rocks - can
bottom - Peromyscus boylii, also caught
in same traps -

All others caught in traps have been
taken close to water & generally in the
dump grass - Microtus at some
measured in above situations

9
Thompson Canyon, 3900 ft., Walker Basin,
San Co., California.
October 13, 1933

Pipistrellus hesperus

Apparently the commonest bat to
- one other, a *Myotis* seen & used
there ~~at~~ not common. I have seen
only about a dozen or so to date.
However, I have seen many that
near Brown Creek (on the north side
of the canyon) & in an open area
near Biggs River he noted, long
a large flight which landed about
15 minutes. The flight began and
ended abruptly. He took 2000

None seen in White Mts - in a center of
Walker Basin - The bat - believed to be
a *Myotis* was seen in the Thompson Canyon
collected near Walker's Ranch - and a large
bat - believed to be a *Myotis* captured at
near flying up Brown Creek Canyon at
about the evening. I have seen
specimens that were adjacent to many other
are full of bats.

November - at Thompson Mine in
Walker's Canyon - the miners told me
that there were a few *Myotis* seen there

Ursus americanus californicus

Thompson Canyon, 3900 ft., Walker Basin,
Stem Co., Calif.

Baltimore
1933

October 13, 1933

No sign of recent occupancy or
in the valley. Burrows picked up
and skulds nearby. Mr. Johns
Mr. Arnold of Walker Basin says
that they are common in the "pinch"
(that is up in the pines).

From Mr. Strickland - Mr. N. J. Allen
the presence of a large "Silver Tip" group
in the hills is noted - suggested
front - 11 inches.

October 20, 1933

From Betty Roberts, Forkout on River
Peak, I learn that 4 years ago, or
the Silver Creek side of the fault
he measured a bear track on the
right side of the fault. He estimated
to be 13" - hind foot. He estimated
to be as "Bad-Kid Smith."

French Gulch, 6700 ft., White Hills
Stem Co., Calif. October 22, 1933

Grazing

Belmont
1933

②

French/Buck, 6700 ft., Gaute Mts., Oct. 27
the gulch, the statement that bears
are common at Brown, about 2 mi
north of Gaute Peak and a clear
days they hang out in the brush &
mossy patches.

October 27, 1933

Saw tracks up a side road thru the oaks -
hind foot about 5" long.

French/Buck, 3300 ft., Gaute/Brown

Nov. 20 - several days ago - one of the
parch faults on French/Buck and near
tracks in the high canyon below the oak
belt - evidently it had come off French
ridge Mt. Brown, also see page 855-556

French/Buck - 2500 ft. -

Nov. 21 - Under which informed
today that about 10 miles up the
French/Buck a 515th near had been
killed 2 days ago - it had actually
been washed in. In which also
states that Brown advised her classed
a game animal instead of a fox
and that the brown animal is the

Missus (3)

Blaine
1933

Went for Bear, this morning local
men, especially, check traps. At it
home but local residents ever hunt
+ then not after Friday Nov 15 till
opening date of season. winter has
closed set up and the bear are near
a hibernation.

John Valley - Dec. 4
Stange on the east side of the
Cute mts.

Procyon lotor (1)

Branch Bush, 6700 ft., Pike Mts., Spruce Co., Calif.

October 27, 1933

Belmore
1933

Have seen tracks in the creek bed down canyon & in the dust of road a mile up. After place good 1/2 mile from water. Page on the road & further on after, the words said there were killed the last of the year from a single in tree & another was seen in rocks at edge of meadow. A few foot track in road measured 3" - 8 mm.

Procyon lotor 3300 ft., White River
Nov. 20 - a few tracks seen down
Pawnee Creek Canyon and it was evident
a corn which bite bait from my old
nets: - advance forward.

White Valley
Nov. 25 - and I have found
along Cottonwood Creek in south valley
- Nov. 1 - said & the found occurrence
along this creek (just north of here).

Spokane (1)

Salmon
1933

Thos Valley -
Nov. 24 - Caught one - ad ♂ - in the
off in rocky chas under cotton -
found also the tracks - same as the
wounded the next liquid.
Nov. 30 - Caught another in
off - Coal burning site and found
and the entire was not noticeable -
the next liquid was ~~not~~ ~~not~~ this
not injured + gas the air.

Tavara (1)

Belmore
1933

Walter Davis -

Nov. 8 - saw 8 be very scarce
as far they were one quite common
then they became so scarce
with the disappearance of the
by forming the small mammals
the had winter of 1932-33.

John Valley

Dec. 1

Occasionally found here
they trapped four years ago by young
from Jones at Stone Quarry.

Arceuthobium cinereocaryocarpus

Thompson Canyon, 3400 ft., Walker Basin,
Tenn Co., Calif.

October 13, 1933

None seen nor heard so far. at the
camp. No fruitive seedlings seen
elsewhere, some carcasses hung on
poles in the floor of the barn. In
a state of decay. There appeared to
be one gray fox.

October 20, 1933

Stated by Mr. Stubbins that the common
in straight canyon just north of here

There noted on Route 115 -

Stated by residents of Walker Basin
he heard the whistles.

Thompson Valley - Dec. 2 - found here - or
happened on valley floor in last few years -
and to be commoner up in the timber
of the mountains with the forests.
The forest - Vulpes - found here,
according to local report. - happened on
the left & canyon north at lower end
of the valley -

Johnson
1933

Canis latrans

Baltimore
1933

Thompson Canyon, 3900 ft., Walker Basin,
Ren. Co., Calif.
October 13, 1933

Not common here. Fresh tracks at head of one of the side rocky canyons in det's. One heard howling about camp several nights ago. Undoubtedly more numerous in the Buckhornage Mt. Game Reserve west of the Basin.

Even carcasses (one unskinned) and all with skulls) are hanging & the last one (one of the two) road in the front end of the bar definitely, accordingly & several local ranchers questioned, but the last winter by the state that the state and got traps for coyotes & other predators have been unpopular in this Basin. Everyone spoken to (5 different ranchers) etc. that in this, a cattle country, the depletion of the coyote & least the deer responsible for an increase in the number of game animals which are neighbors & cattle range besides making many holes in the

Canis latrans (2)

Thompson Canyon, 3900 ft., Walter Dean, Oct. 1933

Barlow
1933

who recently ~~had~~ heard McLean "how
(the fact) he have been sent here by
McLean of the Caly John and Hank
Just why he couldn't have sent his
keeper. It is a deep country mostly
with a cattle ranchman and engineer
community. The case with predatory
Today, Mr. Arnold, rider for Ranch
N. Williams, came down from the
Pauite Mt. & said that the deer hunter
whom he knew well, claimed that the
had shot at a wolf. Also that the
wolf was running with coyotes, as
indicated by tracks. Undoubtedly a
large coyote.

French Creek, 6700 ft., Pauite Mts.,
Thompson Canyon, Oct. 22, 1933

Heard a ventricle shows of coyotes
about 10-11 PM last night. They
were running then tracks were clearly
in the road above camp. Mr. is
the other accident of French Creek
says that they seemed like tracks

Canis latrans (3)

Belmore 1933

Church Ranch, 6700 ft. White Mts. Oct. 12
Big bad bred coyote + wolf. At
back dug up the big dog & a
skinned those carcass in the meadow.

Oct. 27, 1933

Don't heard the Coyote Chows lately - but
muzzles are - at least 2 down I want after
a particularly noisy individual who was howling
about a quarter mile away - was him, he was
gray with black markings - but it was about
too dark that I couldn't see the signs of the
pelt.

Jack to all the place - one big one in
the road measured 100 mm - 4"
Meads said he saw 12 in the field
morning a few weeks ago.

Swart Walker Basin, 3350 ft. Fresno, Calif.
Nov. 6, 1933

Common here - note of Nov. 2 great chow
around tent - mottled lead - then
gone ~~over~~ heard until early this morning
one seen by me in daytime and note
by Mackay - evidently they hunt late
in the evening & then make for the hills

Carpi latrans (4.)

Flowers
1933

occurs in evening or early morning
we had a very thick-like fog - like
under in flowers's state that there is a
hybrid dog x ~~dog~~ about.
Chapping has been absolutely finished
they don't even bother the balls.

They have been heard - one taken
from trap tonight - brought in 2
- all we apparently happened in they
don't act - about last with number
Naturally. - And to be of 2 kinds
large dark, like police dog and
small + common. And to be
fully with the house dogs.

Tellis comcolor californica

Thompson Canyon, 3900 ft., Walker Basin,
Stein Co., Calif.

October 13, 1933

A few days ago, Dr. Grinnell, on
a mountain lion's tracks up canyon
alongside those of a deer.

Mr. Linard, ranchman, in Walker
today said he saw numerous tracks
on Buckhornridge Mt. where he also
in word said to ride to cattle. The
"mt" is a game reserve - fence runs
down + three "cats".

No tracks noted on top of White Mts. -
Nov. 9, 10, 11

Denise - while hunting deer in rock
mts; 4 miles N. of here I noted mt
run tracks - said to be common in
this country - ~~found~~ ^{found} of these from
Mr. which - game warden. Mr.
which says that mt. lions have
12 day eyes in their route which
may be as good as 150 - 200 miles
is, I count, circular.

Thompson Canyon - No. 2 - a few found in
White Mts on west side of the range -

Gilmore
1933

Lynx rufus

Baltimore
1933

Thompson Canyon, 3900 ft., Walker Basin,
Thompson Canyon Co., Calif.

October, 13, 1933

The Moke Bros. say that bobcats
common in the heads of the canyon
from skeletons (carcasses without
skins) were seen hanging to the
abrupt the highway in the basin
said to have been trapped by a
trapper last winter (see under coyotes).
No sign seen here to date.

Feb. 2, 1933 - Said to be common
up in the firs - none caught in the
area - no any tracks seen. One
resident - observed but perhaps easily
mistaken; and he had heard the
scream but could not describe the sound.

Salmon
1933

Citellus beecheyi (1)

Thompson Canyon, 3900 ft., Walker Basin,
Tenn Co., California.

October 16, 1933

Appear to be less numerous here
now than when we first arrived. In
they are ~~still~~ young but hibernation.
are still common there on the
of the basin, especially on the hanging
by the woods on the borders of the
that cultivated or pastured ground.

October 20, 1933

More common than ~~previously~~. Upper
to live in colonies in the rocks
in the canyon bottoms, though ~~it~~
~~are~~ sometimes over in the dry
thickets, & then feeds as well as on
the rocky (beds).

French Gulch, 6700 ft., Tuite Mts., Tenn Co., Calif.
October 30, 1933
Scarcely - formed by first arrival
you are just of CCC. Although - it
forming also slightly scattered broad
& killed many other rodents such as
Geomys and Dipodomys.

Wilshire
1933

Citellus beecheyi 2

Six months, 335 ft., New Co., Calif.
Nov. 6, 1933

Stalks common in fields & along
of fields the *foraging* *camping*
local *hills* the days etc. has been
near her *chicken* *coop* & *camp* off
note them along the floor, etc.

Texas Valley - Dec. 2 - found here
was evidently *hibernating* - one seen
my package on Nov. 13 in rocks
front of canyon -

Amnospermophilus (?)

Belmont
1933

Three Valley - Nov. 30 -

Common on the valley floor & nests of
large *Perithous* - *Belmont* fat *apparent*
ready for *hibernation* - *three* the *three*
along on the side of Nov. 28 - none had
been seen - noted as far west as Belmont
Nov. 2, 1933 - many *Antelope* seen
on yesterday - first seen day during
the snows & they had been in cover 3
days.

Nov. 4 - a few have been out the
last few days but good weather has kept
most under cover.

Eutamias (1)

Thompson Canyon, 3900 ft., Walker Basin,
John Co., Calif.

October 6, 1933

E. merriami ^{in spots} kennerlyi? - noted as
quite numerous - saw largest

in last hour - up in the
brushy canyon. Offered by Walker

to be partly flaviventris about 10 ft.
Nests with adjacent brush patches

in the canyon. Nests on the hill
sides. One taken had two eggs of

virgatus found in chick.

October 20, 1933
Noted more often during the last
few days - because John taking me
down to visit the dry brushy area
in creek bottoms where nests are
common. Offer seen around such
spots where water is also present.
Share this habitat with Psittacus and
phryganus.

French Creek, 6700 ft., White Mts., Kern Co., Calif.
Oct. 30, 1933
Eutamias merriami - common - seen at

Belmont
1933

Eutamias (2)

Johnson
1933

To Jacks 800 ft. - found in all the
surrounding drusefields except grassy
pastures - apparently have occupied
wood nest (Nestor) nests after the night
owners had been killed by poison - Mac
caught 2 E. merriami + 2 Nestor
of one trap set at base of Nestor nest
caught 2 other chipmunks from wood
nests - saw a chipmunk take refuge
in the line of willows above the creek
the center of the pasture - a fork
found over in rocks, oaks, oaks, oaks
brush, willow thickets + in yellow pine
for example at the camp for numbers
of individuals seen during hikes.

Eutamias quadrivittatus (?) - found
in nest (750 ft - 800 ft) - seen
to shot from rocky crevices of adjacent
peaks (800 ft) - apparently live in
caverns - generally many seen in
brush and often in same place -
chipmunks brush also - On the
one rocky bushy mass at edge of
Johnson (1933 ft) they were common

Bellevue
1933

Pin and nuts (1700 ft. approx.)
The only exclusively pin-nut mammal
encountered.

Steele Valley - Dec. 2 - Tutamias near
the first creek before the
junction of Hb. 29 - none seen on
the north side of creek & bushy slopes
the hills - none seen on valley floor
common about spring in the canyon

James
1933

Canyon, 3900 ft.,
Jan 6, 1907.

October 17, 1933

October 17, 1933

October 17, 1933

Detlev N. 1933

Detlev N. 1933

Detlev N. 1933

Detlev N. 1933

Oct. 30, 1933

Oct. 30, 1933

Oct. 30, 1933

Thomomys

Thompson Canyon, 3900 ft., Walker Basin,
Yan Co., Calif.

October 17, 1933

Common in open steppes and meadows
near a considerable way up the ridge
generally found in the grassy meadows
or semi-barren areas. It appears to be
moulted from a blackish-brown to a
reddish brown.

French Creek, 6700 ft., Crane Mts., Kern Co., Calif.
Oct. 30, 1933

Common in meadows & in hillsides
one caught in rat trap set in black
oaks in Steppes. The caught in
trap set in Steppes in sandy, not
badly area. Several workings seen
in belt but none taken - the largest
a different species!

SW part Walker Basin, 3350 ft., Kern Co., Calif.
Nov. 7, 1933

Common in lower (SW) part of fair with
dry ground is common - none taken
in accordance with notes in Book trapped

Belknap
1933

Thomomys (2)

Bellevue
1933

Two Valley - Loc. 2 - Sober says
presence not common except in the
meadows at higher reach & some of the
in other individuals scattered over the valley
in sagebrush, sandy flats & gravelly
slopes - no sign seen in canyons or
hillsides - all appear to be dense &
slightly higher & smaller than those
taken at higher levels.

Teregnathus

Thompson Canyon, 3900 ft., Waite Canyon,
Yuma Co., Calif.

Belmont
1933

October 17, 1933

Not common but apparently well
distributed. Taken in dry grass and
paddy open ground, brushy areas and
among down timber and rocks. Up
to be Teregnathus californicus. I have
the check for such contents are long
from the high grass or weed in the
around here. Several such
contents saved. Have not as yet been
caught in wet areas.

Waite
SVI part Exam. #3357 ft. Yuma Co., Calif.
Nov 8, 1933

Teregnathus inornatus - package has
happened the names & study shows
a insect & has caught but in - this
in sandy ground in very slight
in open - Teregnathus like about
with growth & produce on ground
holes in only 8 to 10" down & above
3-5' long - perhaps the hole was
with long ends (see page) had
filled it many other small pocket

Perognathus (2)

Blaine
1933

Perognathus californicus - none taken
none of on Owl Mills -

Harker Ranch - Nov. 22 - Several taken
here - all captured in the rocks - appeared
to be Perognathus flavus. - appear
to be Perognathus californicus. - scarce -

Yuba Valley - Dec. 2 - Two captured
here - one in rocks of creek bottom
& one in rock crags - some Perognathus
as Perognathus flavus - Perognathus flavus
- both these specimens of Perognathus flavus
were badly eaten - This seems to be a
common state of Perognathus flavus - Perognathus
they are highly belonging to Perognathus
or Perognathus californicus.

Dipodomys

Thompson Canyon, 3900 ft., Walker Basin,
Stansbury Co., Calif.

Colman
1933

October 17, 1933

Common here - next to Rethrodontomys

& Peromyscus m. sonoriensis. The common
mammals. Apparently D. agilis. Has
been taken in dry grass & weeds, also
open & sandy brushy ground, and
one was captured by "straw" in an
old oak against. Check for
evidence, like Perognathus, subarcticus

have been long with Peromyscus grass
or used. All other Dipodomys early in
the night I have been trapped & the
9:00 P.M. evidence of their presence
such as small droppings in the grass.

Have been noted in some sandy
ground up in the side of the adjacent
ridges. One dead ~~after~~ individual was
seen in the road near the summit of the
the road out of the south side of the
Basin.

French Gulch, 6700 ft., White Mts., Teton Co., Wyo.
October 30, 1933
Stansbury Lake, near here on the Teton

Dipodomys (2)

Blair
1933

One of local residents, said the last seen
 track they around in the old oak
 in which they are now living - this
 is located at edge of trees & is
 front of sand grave that -
 Just a 3" of sand a little
 distance away the trap was placed
 & catch one - The mouse was
 undoubtedly due to the forming of
 of the local cc cays.

On Antelope Island, 3357 ft. from
 (Cal. Nov. 8, 1933)
 Dipodomys is the only common mammal
 about - lives generally in small
 colonies in the flat of tundra & in
 a Russian thistle - others occur
 everywhere.

Heard Valley Dec. 2 - Dipodomys not
 found here commonly or locally from in
 cage & rabbit brush -
 Dipodomys agilis - evidently found
 the brush & oaks of lower slopes of
 hills - see also. 3486

Neithredontomys megalotis

Thompson Canyon, 3900 ft. Walter Dean,
Dean Co., Calif.

October 17, 1933

The commonest mammal about Camp
found especially abundant in the dry
grass fields about Camp where the
plant growing traps even after dark
Many young & pregnant females taken
there than have the individuals trapped
are caught by the tail & are conveyed
directly to the observatory. — The
found in wet grass & dry fields
but never far from the grass.

Reynolds, 600 ft. White Mt. Tenn. Co.
Calif. October 30 1933
Have been expected in the grassy
the meadows. Perhaps largely killed
off by forest of cedars & other
the (811) are hanging
by thick may have caused this
Hemise.

in grass of oak banks near
in Ranch.

October
1933

Walter Dean, 3350 ft. Tenn. Co.

Teromyscus ①

Thompson Canyon, 3900 ft., Shasta Basin,
Yern Co., Calif.

October 17, 1933

Teromyscus maniculatus sonoriensis:
fairly common. Appears to be found
all associations except the wet
and easy. Commonest in dry grass
& dry brushy areas.

Teromyscus truei: taken in along
area of broken granite rocks, as
well as in adjacent brushy areas;
also in open rocks and shrubs.
Not as common as T. m. sonoriensis.

Teromyscus eremicus? : three
specimens have been taken, which
apparently are referable to the
species. The in note book entries
on exact habitat. Generally, low
rocks. May be Teromyscus boyleyi.

French Gulch, 6700 ft., Snake Mts., Yern Co., Calif.
Oct. 30, 1933
Teromyscus m. sonoriensis - common - may be taken
almost anywhere even up to the top of the at

Billmore
1933

Peromyscus (2)

French Creek, 6700 ft., Coute Mts. - Oct. 30.

Belknap
1933

Peromyscus boyleyi - common in the low
rocks and timber, - less common on the
stream bank & grassy flats of the meadows
where P. m. sonoriensis is common. So
taken in all rock & rocky acts where one
might expect P. truei, which, however, are
to be absent here - taken in the fir belt
at 7500 + ft.

Six foot water basin 3350 ft., Penn., early
Nov. 8, 1933
Peromyscus m. sonoriensis - apparently the
only peromyscus on the frame flats and
within thickets; a companion of Dipodomys

Xankin Ranch, 3300 ft., White Basin, Penn., Ca.
Nov. 20 - Peromyscus maniculatus - four
in the fields & brush of flats -
Peromyscus boyleyi found in rocks &
brush of creek bottom - often found
with Peromyscus truei.
- Peromyscus truei found in rock
& rocks & brush of canyon sides - often
found with Peromyscus boyleyi!

Peromyscus (3)

Blair
1933

Neotoma - Dec. 2 -

Peromyscus maniculatus - found in
edge of bank of valley floor and
in the rock crevices of valley floor
~~common~~ (see also 37p) - common
Peromyscus boylii - found in brush
rocky & canyon bottom & adjacent hill-sides
~~Peromyscus maniculatus~~ - found in brush -
rocks and sage - like Peromyscus boylii
the rock crevices at edge of valley -
happened with both P. boylii & P. maniculatus

Neotoma ①

Thompson Canyon, 3900 ft., Weber Basin,
 Kern Co., Calif.

Oct 20, 1933

Neotoma junco - common. Apparent
 most numerous in dry yellow thickets (at
 there is a great deal of open (not grass,
 however) in the rocks. Undoubtedly these
 rock holes have been deserted during the
 dry season & the creek bottoms full
 of water have been occupied. Not
 more than one found (other there are
 evidently have the "backing out" of the creek
 plates that one is in an alkali slope
 has run off with everything from "mud"
 and water is "dry" (not "dry" but "dry"
 the same "mud" as "dry" (not "dry" but "dry")

French Ranch, 6700 ft., Inyo Mts., Inyo Co., Calif.
 October 30, 1933

Leave here due, no doubt, to the proximity
 of the CCC camp and into
 with after arguments in a broadcast fashion
 (see page 81) - found only in the yellow
 thickets of the median stream. The new appearance
 nests were common. They were nearly secured

Belmont
 1933

Neotoma (2)

Johnson
1933

Yukon Valley - Nov. 20 - common -
the rocks of Bear Creek Canyon -
also taken in center of this patch
where a large stick pit of dead tree
stumps had been built.

Neotoma leida - found in valley
floor - Neotoma - on rock crevices
patridge & valley floor - common -
Neotoma leida - found in valley
rocks of canyon bottom & ~~found~~ up
the hills & tops of mts.

Microtus

Baltimore
1933

Thompson Canyon, 3900 ft., Walker Basin,
Nash Co., Calif.

October 20, 1933

Not common - found in numbers in
in damp grassy field under the dense
yellow willows at average areas. Deca-
ally trapped along the dry water course
near (400-500 yds) the average are
One area 30 x 15 ft under willows
with water under foot yielded a do-
zen individuals. Nothing else was about
but not out of the ordinary adults in the
catch. Weighing 45 g. taken. Found
habitat as forest.

French Butte, 6700 ft., Lake Mills, Fresno Co., Calif.
October 30, 1933

One of the few common mammals here found
only in the damp grass under the willows
along stream side in the meadows - appeared
as diurnal as nocturnal.

Swanton Valley, 3350 ft., Fresno Co., Calif.
Nov. 5, 1933
Found only in adjacent tule patches to

Lepus

Thompson Canyon, 3900 ft., Walker Basin,
Hart Co., Calif.

October 20, 1933

Not common away from the Basin.
The area of Thompson Canyon
(Bear Creek Canyon) used to have
specimens. The best taken in
rabbit brush (Chrysothamnus) that
often occurs in places with dead,
+ many rabbits near the creek.

There are on White Mts or in center of Walker
Basin - the they were found in open
grassy + sparse brushy areas at fringe of
the foothill timber.

Walker Basin - common at edge of forest
and scrub timber - not seen elsewhere.

Hoodoo Valley Dec. 2 - Common on
the flat - not seen in the brush of
Hoodoo -

Billings
1933

Sylvilagus

Thompson Canyon, 3900 ft., Walker Co., Calif.

Bilmore
1933

October 20, 1933

More common than is at first thought. Seen by clearing staked in the willow thicket creek bottoms + occasionally on open rocky + semi-bushy ground. In general, rabbits thence "nicks" the "pasture" + the barn at the present time. Rarely more than one deer together. There are apparently all S. auduboni.

French Gulch, 6700 ft., White Mt., Fresno Co., Calif.
October 30, 1933

Sylvilagus bachmani - Three or four seen in dense willow thickets at willow's edge + lower parts of meadow - scarce and dam heavy - apparently no S. auduboni present here. S. auduboni is evidently in upper Sonoran Sonoran + S. bachmani is a transitional one. S. bachmani is scarce in this "wet" places, S. bachmani.

French Gulch Nov. 20 - Sylvilagus auduboni seen here in the brush bordering the road.

Syllis (2)

Johnson
1933

Hydrus - Dec. 4 -
Hydrus auduboni - common in
the valley in bushy areas away
from the rocks at the edge of
the hills they are in the same
habitat as S. bachmani.
Hydrus bachmani - common in
the bushy rocks at lower edge of
the hills - generally in moist places
located above the bank of lower

Odocoileus

Thompson Canyon, 3900 ft., Walker Basin,
Kent Co., Calif.

Johnstone
1933

Oct 20, 1933

October 20, 1933
Not common in the foothills; very
few fresh tracks seen & 2-3 individuals
in Thompson Canyon. However, there
was, before Nelson closed (Oct. 15)
considerable hunting & shooting along
with the Thompson Canyon.

Not common in the foothills; very few fresh tracks seen & 2-3 individuals in Thompson Canyon. However, there was, before Nelson closed (Oct. 15), considerable hunting & shooting high up in the mountains. Mr. Jernstedt has his running along the sides of the adjacent ridge, & Mackaye put up a bag 5-foot back from the live crest at an ascent of small ridge. Ranger boys that the deer are much scarier this year than usual. Often claim that deer get the farms (Mr. Stubbins Dec. 1).

French Gulch, 6700 ft. Granite Mts.,
New Co., Calif., October 22, 1933
Jas T. & Geo. May - white dove
kind of the last was black - not
white. one patch of black was
white in side view. Dark was in
the "blue" winter coat.
Mr. Roberts took out man on fault

Odocoileus (2)

Belmont
1933

French Butch, 6700 ft., Cascade Mts. Oct.
Between the coast black tail & the
Sierra Nevada deer. He added that on
in a while a real "muley" wanders
into the country, presumably from
the north & east.

Oct. 27, 1933

Jim has more deer today - both were on
a rocky ridge and one had a "game" from
leg, caused perhaps by hunter's bullet or
by a fall off the rocks.

Tennille, Twp Co., Calif., Nov. 10, 1933
I hunted yesterday afternoon and see a
today & get a deer under our observe
Belmont - a large rocky ridge with
of about 2000 yds. higher, and it
has only after I had hiked miles back
& up the yellow pine forest at
it that I found any deer - they were
all in the brushy, rocky, steep, nor-
facing slopes at the head of the canyon
back two shots at a time by back but
mired clean.
Mr. Foster which, local game warden
(see page) informed me that
1. There are deer in the area does & there

Garland
1933

a little less than 1-6-1. What extent of does these might have been was soon ascertained up by the heavier mortality of does over the winter.

3. That most of the does were covered by young bucks, which, when the big bucks were driving away males and other young bucks, would leave a doe. There following activities took place when the does had clustered together & many does might be accompanied by several jacks and many young bucks.

Nov. 11.

Attended a day, lower canyon, this morning with Welch - It was a place where, usually by this time of year, does all does of a pack or two might easily be encountered. However, we saw nothing; only a few fresh tracks.

Mr. J. A. Baker, 3500 N. 1st St., Denver, Colo.
Nov. 12, 1933

Package & found the contents & has ready outlines this morning - He encountered a big buck & a doe together in the bottom of a canyon head. The does

Odocoileus A.

Shelton
1933

Package then returned to the post for more ammunition & 30 30 minutes began our the deer year when he had shot at the seasonably; this time he made off after the last place not over again. This buck & the seemed to be "kissing" together.

Truck Ranch, 3000 ft. White River, Twp Co. N. 18 -

Have encountered one deer in 5 days ahead - the area hunted (in ends) is a low fertile area with brush oak & ceanothus in spots & a few rocky areas - it is not unlike the game preserve 1-2 (Mt. Buckhorn) - definitely the cross over from forested property a great deal in deer no mammals.

Fish Valley 1 Dec. 4 - a few deer are in the east face of the divide above the valley of local stream. The getting deer is over and the the deer are now packed up - the specimen taken in the camp was killed by a local hunter who gave the skin & skull to me.

